



Virtual University

About Us

CS506
Solved Final Terms Papers 3

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Year
2017

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the Name of Allāh, the Most Gracious, the Most Merciful

Paper Pattern

MCQS 40 each 1 mark
Short 4 each 2 marks
Short 4 each 3 marks
long 4 each 5 marks

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

There is/are _____ form(s) of response redirection.

Answer (Please select your correct option)

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1

☐

2

☒

3

☐

4

☐

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Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

A bean class _____ have any public instance variables/attributes (fields).

Answer (Please select your correct option)

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Can

☐

Can't

☐

Must

☐

Shouldn't

☒

Made by: Waqar Siddhu

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

The default value of scope attribute in JSP useBean action element is _____.

Answer (Please select your correct option)

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☒ Page

☐ Request

☐ Session

☐ Application

Made by: Waqar Siddhu

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

High coupling makes classes difficult or impossible to reuse because _____.

Answer (Please select your correct option)

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☐ They are independent of other classes

☒ They depend on so many other classes

☐ They have limited functionality

☐ They are not properly implemented

Made by: Waqar Siddhu

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Web services are Web-based enterprise applications that use open, ----- standards and transport protocols to exchange data with calling clients.

Answer (Please select your correct option)

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☒ XML-based

☐ HTML-based

☐ JSP-based

☐ DHTML-based

Made by: Waqar Siddhu

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

A variable declared as static in a class is a/an _____.

Answer (Please select your correct option)

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☐ Instance variable

☒ Class variable

☐ Const variable

☐ Global variable

Made by: Waqar Siddhu

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following problem most often occurs while scheduling threads using priority scheduling?

Answer (Please select your correct option)

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☒ Starvation

☐ Process death

☐ Average waiting time

☐ None of the given options

Made by: Waqar Siddhu

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is a correct order for Bean scope in JSP page from most visible to least visible?

Answer (Please select your correct option)

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☒ application, session, request, page

☐ page, request, session, application

☐ session, page, request, application

☐ application, session, page, request

Made by: Waqar Siddhu

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

The dot operator in Expression Language is typically used for accessing the ----- of an object.

Answer (Please select your correct option)

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☒ Properties

☐ Elements

☐ Values

☐ Attributes

Made by: Waqar Siddhu

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider the following code segment.

```
class CommonErrors {  
    public static void main(String[] args){  
        String num = "50n";  
        int x = Integer.parseInt(num);  
    }  
}
```

Answer (Please select your correct option)

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☒ Local variable not initialized

☐ NumberFormatException

☐ Null Pointer exception

☐ Cannot resolve symbol

Made by: Waqar Siddhu

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not included in simple tag while creating JSP custom tags?

Answer (Please select your correct option)

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☐ Start of tag

☐ End of tag

☒ Attributes

☐ None of the given options

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Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the best choice as a controller in MVC Model Architecture?

Answer (Please select your correct option)

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☐ Java

☐ JavaScript

☒ Servlet

☐ JSP

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Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

JavaBean is a/an _____.

Answer (Please select your correct option)

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☒ Special Java class

☐ Special form of JSP

☐ xml file

☐ Servlet

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Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following statement is TRUE regarding default ResultSet?

Answer (Please select your correct option)

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☐ The default ResultSet is updatable and moves only forward.

☒ The default ResultSet is not updatable and moves only forward.

☐ The default ResultSet is not updatable and moves forward as well as backward

☐ The default ResultSet is updatable and moves forward as well as backward.

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Page # 150

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

The _____ method of ServletConfig object is used to access the initialization parameters of servlet

Answer (Please select your correct option)

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```
getInitParam("param-name")
```

```
getInitParameter("param-name")
```

```
getInitializationParam("param-name")
```

```
getInitializationParameter("param-name")
```

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Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following statement is FALSE about servlets?

Answer (Please select your correct option)

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Servlets handle request sent by client and generates dynamic response.

With servlets, each request is handled by lightweight java thread.

With servlets, each request is handled by heavy weight operating system process.

Servlets are portable across different platforms.

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Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

Unpack directory structure of J2EE web application is _____

Answer (Please select your correct option)

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Known as Web Archive file (WAR)

Used during development of web application
--

Used to deploy web application

None of the given options

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Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following access modifier is provided by default if no access modifier is written explicitly with data members or methods?

Answer (Please select your correct option)

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☐ private

☐ protected

☒ public

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Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

The **sleep(int time)** method causes the currently executing thread to wait for the time specified in -----

Answer (Please select your correct option)

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☒ Milliseconds

☐ Nanoseconds

☐ Seconds

☐ Minutes

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Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

In which file do we define a servlet mapping?

Answer (Please select your correct option)

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☒ Web.xml

☐ index.html

☐ Servlet.xml

☐ None of the given options

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Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT a part of http response?

Answer (Please select your correct option)

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☐ Result Code

☒ URI

☐ Header fields

☐ Body

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Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Initialization _____ of web application are also called _____

Answer (Please select your correct option)

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☒ Parameters, context attributes

☐ Context attributes, parameters

☐ Parameters, Variables

☐ Context attributes, variables

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Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

The _____ object contains the information relevant to a servlet.

Answer (Please select your correct option)

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☒ ServletConfig

☐ ServletInfo

☐ ConfigInfo

☐ ServletConfigInfo

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Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT appropriate for Page-centric approach?

Answer (Please select your correct option)

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- ☒ The maintenance of the application becomes a nightmare.
- ☐ A lot of code is also get duplicated.
- ☐ Scaling of such kind of application is easy.
- ☐ The code becomes a mixture of presentation, business and data access logic.

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Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is pure java component?

Answer (Please select your correct option)

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- ☒ Swing Components
- ☐ AWT Components
- ☐ GUI Components
- ☐ None of the given options

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Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Tiers represent the _____ view of application.

Answer (Please select your correct option)

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- ☒ Physical
- ☐ Logical
- ☐ External
- ☐ None of the given options

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Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

RPC stands for

Answer (Please select your correct option)

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- ☐ Remote Personal Computer (RPC)
- ☐ Remote Procedure Client (RPC)
- ☒ Remote Procedure Calls (RPC).
- ☐ None of the given options

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Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

Managed Bean is JavaBeans which is defined in _____.

Answer (Please select your correct option)

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- ☐ Class file
- ☒ Configuration file
- ☐ Source file
- ☐ None of the given options

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Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Managed Beans have _____ Model

Answer (Please select your correct option)

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- ☒ Declarative
- ☐ Sequential
- ☐ Iterative
- ☐ None of the given options

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Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

How many public classes can a program have?

Answer (Please select your correct option)

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☐ Two

☒ As many we want

☐ No public class.

☐

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Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

Objects are mostly created using the keyword:

Answer (Please select your correct option)

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☐ this

☐ get

☐ set

☒ new

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Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

Which adapter class will be used for Action Listener interface:

Answer (Please select your correct option)

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☐ MouseMotionAdapter

☒ WindowAdapter

☐ Null

☐ MouseAdapter

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Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

Which database allows us to work having closed connections?

Answer (Please select your correct option)

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☐ Mysql

☐ PostgreSQL

☒ SQL

☐ SQLite

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Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following cannot convert data in form of byte, into characters directly?

Answer (Please select your correct option)

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☐ InputStreamReader()

☒ PrintWriter()

☐ BufferedReader()

☐ OutputStreamReader()

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Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

How many folders are there in Jakarta Tomcat?

Answer (Please select your correct option)

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☐ No folder

☐ 3

☒ 7

☐ 9

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Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Implicit objects are present within which of the following?

Answer (Please select your correct option)

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☐ JSP comments

☐ JSP tags

☒ JSP Expressions

☐ JSP Declarations

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Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

When a user wants to access our application through browser which of the following folder of Tomcat does he access?

Answer (Please select your correct option)

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☐ common

☒ webapp

☐ shared

☐ work

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Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following method is called only once in servlet?

Answer (Please select your correct option)

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☐ doGet()

☐ service()

☒ init()

☐ doPost()

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Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

In which of the following application we do not need to maintain sessions?

Answer (Please select your correct option)

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☐ Course registration web application.

☐ Web based shopping carts.

☒ Web reputation systems.

☐ Window shopping systems.

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Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

What does HTTP session uses in its underlying layer?

Answer (Please select your correct option)

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☐ Cookies

☐ URL rewriting

☒ Cookies and URL rewriting

☐ None of the given options

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Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

If we will not give width and height in applet tag then which one will get true?

- Applet will not run
- Applet will run but not visible
- Applet will run and visible

Answer (Please click here to Add Answer)

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Normal Arial 12 B I U

A will run but not visible

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Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

How JSP's are efficient?

Answer (Please [click here](#) to Add Answer)

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use the tags..

combination of html+ servlets..JSP that provided more speed and security as well as better tools for web page creation.

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Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

When we use Page centric approach?

Answer (Please [click here](#) to Add Answer)

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it has lot of drawbacks as mixture of all logic layers and scaling is difficult so this aproche used in small web application where maintainence would be any mess.

Kon hach

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Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Write java code syntax which will create a cookie object c.

Create a Cookie Object

A cookie object can be created by calling the `Cookie` constructor, which takes two strings: the cookie name and the cookie value.

Answer (Please [click here](#) to Add Answer)

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Cookies c = new Cookie("name", "value");

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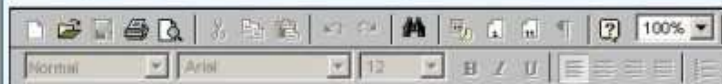
Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Write a statement to call an error page along with the "source not found" message using request dispatching technique.

Answer ([Please click here to Add Answer](#))

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```
requestDispatcher rd = request.getRequestDispatcher("file.jsp");  
rd.sendError(800,"source not found");
```

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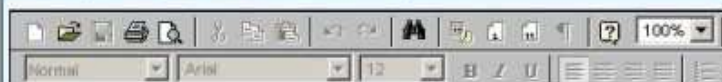
Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Write any six features that JSF provide?

Answer ([Please click here to Add Answer](#))

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- Representing UI components
- Managing their state
- Handling events
- Input validation
- Data binding
- Automatic conversion
- Defining page navigation
- Supporting internationalization and accessibility.

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Question No : 47 of 52

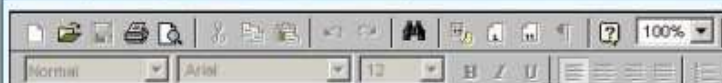
Marks: 3 (Budgeted Time 6 Min)

Identify and correct errors from the following code that implements inner class:
Note Ignore syntax errors if any.

```
import java.awt.*;  
import javax.swing.*;  
import java.awt.event.*;
```

Answer ([Please click here to Add Answer](#))

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Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

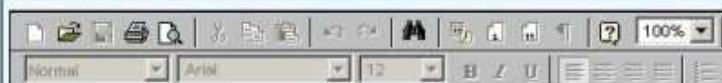
Suppose you have two (index.jsp and error.jsp) files.

You want, when index.jsp file generate any exception user should automatically jump error.jsp page.

What you will write in page directive of index.jsp page to jump error.jsp page automatically. Also what you will write in page directive of error.jsp page to make it error page.

Answer ([Please click here to Add Answer](#))

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<%@ isErrorPage="true" %>

first part ka ans nhi
pata sooooooory

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Question No : 49 of 52

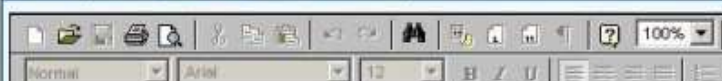
Marks: 5 (Budgeted Time 10 Min)

What is difference between socket and server socket? Also right java syntax to create socket and server socket. Write solution by filling given table.

Socket	Server Socket

Answer ([Please click here to Add Answer](#))

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Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

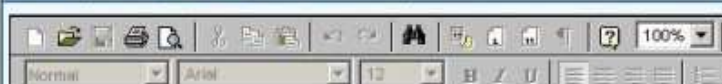
What will be the output of following program?

MyServlet process request method:

```
protected void processRequest(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
    response.setContentType("text/html");
```

Answer ([Please click here to Add Answer](#))

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Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Use the following Bean placed in "IslamRules" package using JSP action element. Value of amount is taken from the form field "amount".

```
public class ZakatBean implements Serializable {  
    private int amount;  
    private int zakat;
```

Answer ([Please click here to Add Answer](#))

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Made by: Waqar Siddhu

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Draw and divide the components of internet banking(Client,web Server and DB server) into three layered approach?

Answer ([Please click here to Add Answer](#))

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