

SubBank	QuestionText	QuestionType	Choice1	Choice2
	<p>Carefully read the question and answer accordingly.</p> <p>Which two of the following statements correctly store an object associated with a name at a place where all the servlets/JSPs of the same webapp participating in a session can use it? (Assume that request, response, name, value etc. are references to objects of appropriate types.)</p> <p>1.response.setAttribute(name, value) 2.getServletContext().setAttribute(name, value) 3.request.setAttribute(name, value) 4.request.getSession().setAttribute(name, value) 5.request.setParameter(name, value)</p>	MCQ	1&2	1&3
Servlets - Set	<p>Carefully read the question and answer accordingly.</p> <p>Consider the following servlet code segment:</p> <pre>HttpSession session = request.getSession(true); session.setAttribute("name", "Cognizant"); session.invalidate(0); if (session.isNew()) { System.out.println(session.getAttribute("name")); } else { System.out.println(session.isNew()); } </pre> <p>What is the output of the above code segment</p>	MCQ	Displays "Cognizant" always	Displays "false" always

<p>Carefully read the question and answer accordingly. Consider the following deployment descriptor(web.xml)file:</p> <pre><session-config> <session-timeout> 30 </session-timeout> </session-config></pre> <p>Then, in the Servlet program code setMaxInactiveInterval(600)(seconds) for the session object is invoked. After how long would session expire? Select one answer from the following.</p>	MCQ	30 minutes	10 minutes
<p>Carefully read the question and answer accordingly. Which of the following is the deployment descriptor file of a web application? Assuming that the name of the Web application is BankApp.</p>	MCQ	BankApp.xml	WebApp.xml
<p>Carefully read the question and answer accordingly. Martin has created a Web application in which a servlet stores a JDBC URL as an attribute of the session object to access a database. He wants other servlets of the application to retrieve the URL attribute from the session object to access the database. Which of the following code snippets can Martin use to retrieve the URL from the session object?</p> <p>Carefully read the question and answer accordingly. Consider the following statements: Statement A: GenericServlet is an abstract class Statement B: GenericServlet internally implements Servlet interface</p> <p>Which of the following is true about these statements?</p>	MCQ	<pre>HttpSession session = request.getSession(); String url =(String)session.getAttribute("URL");</pre> <p>Statement A is true and statement B is true.</p>	<pre>HttpSession session = request.getSession(); String url =session.getAttribute("URL");</pre> <p>Statement A is true and statement B is false.</p>
<p>Carefully read the question and answer accordingly. You being a software developer needs to develop a web application for your organization. You decided to use servlets to create the web application. While you are creating the servlet you feel the need to write the code for the initialization of the servlet. This is needed to initialize the servlet with the required data after the servlet instance has been created. How will you perform this task?</p>	MCQ	By overriding the service method in the servlet class.	By overriding the init method in the servlet class.

accordingly.

Manoj has created the Hello servlet that displays Welcome in the browser window. The code of the servlet is:

```
package myworld;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletConfig;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class hello extends HttpServlet
{
    protected void doGet(HttpServletRequest
request HttpServletResponse response) throws
ServletException IOException
    {
        PrintWriter out = response.getWriter();
        out.println("<html>");
        out.println("<head>");
        out.println("<title>My Servlet</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<h>WELCOME</h>");
        out.println("</body>");
        out.println("</html>");
        out.close();
    }
}
```

Which of the following code snippets correctly defines the deployment descriptor for the Servlets - Intr MCQ

Carefully read the question and answer accordingly.

Which of the following codes will allow the user to load the servlet using form. The form should first display submit button and when the user clicks on submit button it should load the servlet

Servlets - Intr called myservlet? MCQ

<servlet>	<servlet>
<servlet-name>hello</servlet-name>	<servlet-name>hello</servlet-name>
<servlet-class>myworld.hello</servlet-class>	<servlet-class>myworld.hello</servlet-class>
</servlet>	</servlet>
<servlet-mapping>	<servlet-mapping>
<servlet-name>hello</servlet-name>	<servlet-name>hello</servlet-name>
<url-pattern>/hello</url-pattern>	<url-pattern>/hello</url-pattern>
</servlet-mapping>	</servlet-mapping>
<HTML>	<HTML>
<BODY>	<BODY>
<FORM	<FORM
ACTION=http://localhost:8080/servlet/myservlet	ACTION=http://localhost:8080/servlet/myservlet
METHOD=GET	METHOD=GET
> <INPUT	> <INPUT
TYPE=SUBMIT	TYPE=SUBMIT
VALUE=SUBMIT	VALUE=SUBMIT
</FORM>	</FORM>
</BODY>	</BODY>
</HTML>	</HTML>

Carefully read the question and answer accordingly.
Select the code to chain a servlet with another servlet

Servlets - Intr MCQ

```
RequestDispatcher dispatcher = request.getRequestDispatcher("Servlet2"); dispatcher.forward(req, resp);
```

Carefully read the question and answer accordingly.
Mahesh has observed that some users are able to directly access the content files stored in the Web application from the Web browser. Which of the following options should Mahesh use to prevent the users from directly accessing the content files?

Servlets - Intr MCQ

By storing the content files under the dist directory

By storing the content files under the META-INF directory

Carefully read the question and answer accordingly.
Which of the following is an interface that gets data from the client and sends it to the servlet?

Servlets - Intr MCQ

Carefully read the question and answer accordingly.

ServletRequest

ServletResponse

Whenever a request goes from the client to the server some additional information other than the request is also passed to the server. This additional information is in the form of a _____.

Servlets - Intr MCQ

footer

header

Carefully read the question and answer accordingly.
Which of the following is / are true about a firewall server?

Servlets - Intr MCA

One of the key tasks of firewall is routing between a cluster of servers

Firewall server mainly focusses on network security within a LAN

Carefully read the question and answer accordingly.

HTTP cannot save state information between one request and other

Servlets - Intr MCQ

TRUE

FALSE

Carefully read the question and answer accordingly.

If the application is associated with JDK, it will lead to lighter memory footprint compared associating the application to JRE

Servlets - Intr MCQ

TRUE

FALSE

TRUE FALSE

Carefully read the question and answer accordingly. The proposed web application need to access two databases, for performing the business operations. Which of the API in J2EE package				
Servlets - Intr	will support to achieve this functionality?	MCQ	JNDI	JTA
Carefully read the question and answer accordingly. A server will serve a request. Application Server handles request that needs dynamic content, whereas a web server will handle the request				
Servlets - Intr	for static content.	MCQ	TRUE	FALSE
Carefully read the question and answer accordingly. Which of the following is applicable to Servlet				
Servlets - Intr	Containers?	MCQ	These are specialized Web servers, which support servlet execution	These are responsible for managing the lifecycle of servlets, mapping a URL (Universal Resource Locator) to a particular servlet, and ensuring that the URL requester has got the correct access rights
Carefully read the question and answer accordingly. Which of the following can be considered as role(s) of a deployment descriptor in a .war or .ear modules?				
Servlets - Intr		MCA	provides security information of the application	to provide the configuration details on how the web server should use them to serve the incoming requests
Carefully read the question and answer accordingly. Which of the following methods are not implemented by the RequestDispatcher interface?				
1.redirect() 2.forward() 3.include() 4.dispatch()				
Servlets - Intr		MCQ	1&2	3&4
Carefully read the question and answer accordingly. If 1000 users are accessing SampleServlet how many actual object of servlets exist in web				
Servlets - Intr	container?	MCQ	1000	1

Servlets - Intr	Carefully read the question and answer accordingly. In "n-tier" architecture style, the layers of a web application reside over multiple physical computers.	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. Which of the following tag is NOT a part of the web.xml file?		<servlet>	<action>
Servlets - Intr	Carefully read the question and answer accordingly. A web application contains images to be displayed across the UI screens. In a typical production environment, where these images will be deployed?	MCQ	Application Server	Web Server
	Carefully read the question and answer accordingly. For every HTTP request, static contents will be served by a web server, whereas if dynamic content is requested, web server forwards the request to application server.		TRUE	FALSE
Servlets - Intr	Carefully read the question and answer accordingly. Always the enterprise archive (EAR) files will be deployed in a web container	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. The method getWriter() of HttpServletResponse returns an object of type _____.		HttpServletResponse	PrintWriter
Servlets - Intr	Carefully read the question and answer accordingly. Which of the following Java EE containers manages the execution of enterprise beans for Java EE applications?	MCQ	EJB container	Web container
	Carefully read the question and answer accordingly. A proxy server will allow to cache web pages in your computer		TRUE	FALSE
Servlets - Intr	Carefully read the question and answer accordingly. Which are lifecycle methods of Servlet Interface?	MCQ	1&2&3	2&3&4
	1.public abstract void init(ServletConfig config) 2.public abstract void service(ServletRequest req, ServletResponse res) 3.public abstract void destroy(ServletContext) 4.public abstract void destroy()		1&2&3	2&3&4

Carefully read the question and answer accordingly. WebSphere Application server is a open source			
Servlets - Intr server	MCQ	TRUE	FALSE
Carefully read the question and answer accordingly. Which of the following is / are true about web		web application provides cross platform compatibility	Little or no disk space is required on the client
Servlets - Intr applications?	MCA		
Carefully read the question and answer accordingly. If the proposed system to be developed to handle concurrent user requests, with reduced turn-around time & resource usage, then the			
Servlets - Intr architecture should employ -----	MCQ	Firewall	Load Balancer
Carefully read the question and answer accordingly. URL and URN are one and the same		TRUE	FALSE
Servlets - Intr	MCQ		
Carefully read the question and answer accordingly. Which of the following code line will destroy a		session.isAlive = false;	session.isNew (false)
Servlets - Se: session?	MCQ		
Carefully read the question and answer accordingly. Which of the following techniques are used to		URL rewriting	Cookies
Servlets - Se: track session?	MCQ		
Carefully read the question and answer accordingly. Mark is developing a web based application. The home page is a servlet that accepts the user name and password. Mark does not want the user to enter the username every time he logs into the website. He wants to find a way to store the value on the user's machine. Which method should he use so that the value gets		getCookie()	addCookie()
Servlets - Se: stored on the user's machine?	MCQ		
Carefully read the question and answer accordingly. HTTP is stateful protocol which maintains		FALSE	TRUE
Servlets - Se: clients state automatically. State True or False.	MCQ		

<p>Carefully read the question and answer accordingly.</p> <p>Which of the following method of the HttpServletRequest object is used to get the clients session information in the HttpSession</p>	MCQ	putValue()	doPost()
		Session timeout declarations made in the DD(web.xml) can specify time in seconds.	Session timeout declarations made in the DD(web.xml) can specify time in minutes.
<p>Carefully read the question and answer accordingly.</p> <p>Which statements about session timeouts are</p>	MCQ		
<p>Carefully read the question and answer accordingly.</p> <p>A container does not initialize the servlets as soon as it starts up, it initializes a servlet when it receives a request for that servlet first time.</p>	MCQ	TRUE	FALSE
<p>Carefully read the question and answer accordingly.</p> <p>Which method of HttpSession interface is used for specifying the length of inactive interval for a</p>	MCQ	setMaxInterval()	setMaxInactiveInterval()
<p>Carefully read the question and answer accordingly.</p> <p>Which of the following listeners are invoked</p>	MCQ	HttpSessionBindingListener	HttpListener
<p>Carefully read the question and answer accordingly.</p> <p>Given that URL-rewriting must be used for session management, identify the query string</p>	MCQ	sessionId	jsessionId
<p>Carefully read the question and answer accordingly.</p> <p>Which two of the following are true statements about sessions?</p> <p>1.Sessions are destroyed only after a predefined period of inactivity</p> <p>2.Sessions can span web applications</p> <p>3.Sessions can be cloned across JVMs</p> <p>4.You can use the deployment descriptor to cause sessions to expire after a set number of requests</p>	MCQ	1&2	1&3

<p>Carefully read the question and answer accordingly.</p> <p>How can an existing session in servlet can be destroyed ?</p> <p>1.programmatically using session.invalidate() 2.by calling session.service() method 3.by closing the browser</p>				
Servlets - Se	4.when the server itself is shut down	MCQ	1&2	1&3
<p>Carefully read the question and answer accordingly.</p> <p>Servlet A receives a request that it forwards to servlet B within another web application in the same web container. Servlet A needs to share data with servlet B and that data must not be visible to other servlets in A's web application. In which object can the data that A shares with</p>				
Servlets - Se	B be stored?	MCQ	HttpSession	HttpServletRe sponse
			<pre> public void doGet(HttpSer vletRequest req, HttpServletRe sponse res) throws ServletExcepti on, IOException { HttpSession session = req.getSession n(); session.setAtt ribute("BookID ","Core Java"); } </pre>	<pre> public void doGet(HttpSer vletRequest req, HttpServletRe sponse res) throws ServletExcepti on, IOException { session = req.getSession n(); session.getAtt ribute("BookID ","Core Java"); } </pre>
<p>Carefully read the question and answer accordingly.</p> <p>Choose the valid option for creating session object and to add a attribute "BOOKID" into</p>				
Servlets - Se	session object.	MCQ	request.getSe ssion()	request.create Session()
<p>Carefully read the question and answer accordingly.</p> <p>How do you create a session?</p> <p>Carefully read the question and answer accordingly.</p> <p>In which of these following getAttribute() and setAttribute() method has defined?</p> <p>1.HttpSession 2.ServletRequest 3.ServletResponse</p>				
Servlets - Lis	4.HttpListener	MCQ	1&3	2&3
			ServletContex tAttributeListe ner	ServletContex tListener
<p>Carefully read the question and answer accordingly.</p> <p>Which of the following Listener can get context init parameter and run some code before rest of the application can service a client?</p>				
Servlets - Lis		MCQ		

	Carefully read the question and answer accordingly.			
	If you want to know when a request attribute has been removed,added or replaced, then		ServletRequest	ServletRequest
Servlets - Lis	which listener is the appropriate one?	MCQ	stListener	stAttributeList ener
	Carefully read the question and answer accordingly.			
	Which of the following Listener is used to track		ServletRequest	ServletRequest
Servlets - Lis	number of active sessions or users?	MCQ	stListener	stListener
	Carefully read the question and answer accordingly.			
	Which one is required as a sub-element of		<listener-	<listener-
Servlets - Lis	listener tag in Deployment Descriptor?	MCQ	type>	class>
	Carefully read the question and answer accordingly.			
	Sam is writing a web application program. He has implemented ServletContextListener interface in his web application program. Which method of ServletContextListener interface he should use to perform startup activities for web			initiateContext
Servlets - Lis	application?	MCQ	init()	()
	Carefully read the question and answer accordingly.			
	How will you retrieve the first value of request parameter "fname"?			
	1.\${param.fname}			
	2.\${requestParams.fname}			
	3.\${requestScope.fname}			
JSP - EL (Ex)	4.\${paramValues.fname[0]}	MCQ	1&3	2&3
	Carefully read the question and answer accordingly.			
	How will you access a servlet context initialization parameter named "company-			
JSP - EL (Ex)	name"?	MCQ	\${init.company-	\${init['compan y-name']}
	Carefully read the question and answer accordingly.			
	Which of following are EL implicit objects?			
	1.pageContext			
	2.parameter			
	3.parameterValues			
	4.header			
JSP - EL (Ex)	5.session	MCQ	1&4	2&4
	Carefully read the question and answer accordingly.			
	What is the syntax of Expression Language in a			
JSP - EL (Ex)	JSP page?	MCQ	\${expr}	#{expr}
	Carefully read the question and answer accordingly.			
	Predict output of Expression Language \${7*k} if			
JSP - EL (Ex)	k is null:	MCQ		null
	Carefully read the question and answer accordingly.			
	Expression Language treats null values as			
	"zero" In arithmetic operations.State True or			
JSP - EL (Ex)	False.	MCQ	TRUE	FALSE

Carefully read the question and answer accordingly.

Consider the following servlet code segment:

```
Map map = new HashMap();
map.put("a", "1");
map.put("b", "2");
map.put("c", "3");
map.put("d", "4");
request.setAttribute("map", map);
String[] names = {"a", "b", "c", "d"};
request.setAttribute("names", names);
```

JSP - EL (Ex) What does `${map[names[0]]}` return?

MCQ

a

Nothing will be displayed

Carefully read the question and answer accordingly.

```
<%
```

```
List list=new ArrayList();
```

```
list.add("a");
```

```
list.add("2");
```

```
list.add("c");
```

```
request.setAttribute("list",list);
```

```
request.setAttribute("number","1");
```

```
%>
```

Based on the above code segment, which of the following will display "c"?

1.`${list[2]}`

2.`${list.2}`

3.`${list[number+1]}`

JSP - EL (Ex) 4.`${list.3}`

MCQ

1&3

2&3

Carefully read the question and answer accordingly.

Which of the following EL implicit objects is not

JSP - EL (Ex) a Map?

MCQ

requestScope

initParam

Carefully read the question and answer accordingly.

Code to get the value of "address" request parameter is:

JSP - EL (Ex)

MCQ

`${param.address}`

`${Values.address}`

Carefully read the question and answer accordingly.

Choose valid expression language statement for accessing textfield elements whose name is userid.

JSP - EL (Ex)

MCQ

`#{param.userid}`

`${param.userid}`

Carefully read the question and answer accordingly.

Consider the code segment given below:

```
List list = new ArrayList();
```

```
list.add("1");
```

```
list.add("2");
```

```
list.add("3");
```

```
list.add("4");
```

```
request.setAttribute("list", list);
```

```
String[] names = {"a", "b", "c", "d", "e"};
```

JSP - EL (Ex) What will `${names[list[0] + 1]}` display?

MCQ

a,b

b

	Carefully read the question and answer accordingly. Select correct options with respect to Expression Language (EL) used in JSP			
	1.The purpose of EL is to make a JSP script free			
	2.EL is a simple and powerful replacement of Standard Actions			
	3.EL is enabled in a JSP by default			
JSP - EL (Ex)	4.EL stands for Extended Language	MCQ	1&2	1&2&3
	Carefully read the question and answer accordingly. You have a map named "carMap" with a key named "Ford". Select correct EL syntaxes to print the value of this key.			
	1.\${carMap.Ford}			
	2.\${carMap.[Ford]}			
	3.\${carMap["Ford"]}			
JSP - EL (Ex)	4.\${carMap[Ford]}	MCQ	1&2	1&3
	Carefully read the question and answer accordingly. Consider the following statements:			
	Statement A: A tag library descriptors an XML document that contains information about a library as a whole and about each tag contained in the library.			
	Statement B: TLDs are used by a Web container to validate the tags used by JSP page development tools.			
	Which of the following is true about these			
JSP - Custom	statements?	MCQ	Statement A is true and statement B is true.	Statement A is true and statement B is false.

Carefully read the question and answer accordingly.

```
<?xml version="1.0" encoding="UTF-8"?>
<taglibxmlns="http://java.sun.com/xml/ns/j2ee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema
a-instance"
xsi:schemaLocation="http://java.sun.com/xml/n
s/j2eeweb-jsptaglibrary_2_0.xsd"
version="2.0">
<tlib-version>2.0</tlib-version>
<short-name>SimpleTagForLearning</short-
name>
<uri>testuri</uri>
<tag>
<name>helloworld</name>
<tag-class>com.cts.MyTagHandler</tag-class>
<body-content>empty</body-content>
<attribute>
<name>attrb</name>
<required>true</required>
<rtexprvalue>true</rtexprvalue>
</attribute>
</tag>
</taglib>
```

For above mentioned .tld select correct tag usage option in JSP page.

JSP - Custom

MCQ

```
<%@ taglib
prefix="pre"
uri="testuri"
%> <html>
<head>
<title>Demo
on
helloworldCust
om tag</title>
</head> <h1>
<pre:helloworl
d/> </h1>
attrb="John">
</html> </h1> </html>
```

Carefully read the question and answer accordingly.

Consider the following statements:

Statement A: When tags are implemented with tag handlers written in Java, each tag in the library must be declared in the TLD with a tag element.

Statement B: The tag element contains the tag name, the class of its tag handler, information on the tag's attributes, and information on the variables created by the tag.

Which of the following is true about these statements?

JSP - Custom

MCQ

Statement A is true and statement B is true. Statement A is true and statement B is false.

Carefully read the question and answer accordingly.

TagSupport and BodyTagSupport classes are present in which package?

JSP - Custom

MCQ

java.servlet.jsp.tagext javax.servlet.jsp.tag

Carefully read the question and answer accordingly.

What is the output of the current code segment ?

```
<c:forTokens items="a,b,c,d,e" delims=","
begin="0" end="4" step="2" var="alphabet">
<c:out value="{alphabet}"/>
</c:forTokens>
```

JSP - JSTL-K

MCQ

a,c,e b,d

	Carefully read the question and answer accordingly.			
JSP - JSTL-K	Which JSTL code snippet can be used to perform URL rewriting?	MCQ	<pre><a href='<c:url url="cognizant.jsp"/>' /></pre>	<pre><a href='<c:link url="cognizant.jsp"/>' /></pre>
	Carefully read the question and answer accordingly.			
JSP - JSTL-K	Using prefix c to represent the JSTL library, which of the following produces the same result as <code><%= var %></code> ?	MCQ	<pre><c:var out=\${var}></pre>	<pre><c:out value=\${var}></pre>
	Carefully read the question and answer accordingly.			
JSP - JSTL-K	Which standard tag you choose to implement the switch functionality using JSTL?	MCQ	<pre><c:forEach></pre>	<pre><c:when></pre>
	Carefully read the question and answer accordingly.			
JSP - JSTL-K	Which attribute of <code><c:if></code> specifies the conditional expression?	MCQ	<pre>cond</pre>	<pre>check</pre>
	Carefully read the question and answer accordingly.			
JSP - JSTL-K	Which of following are standard JSTL? 1.http://java.sun.com/jstl/xml/fmt 2.http://java.sun.com/jstl/core/fmt 3.http://java.sun.com/jstl/xml 4.http://java.sun.com/jstl/sql 5.http://java.sun.com/jstl/core	MCQ	<pre>1&2&3</pre>	<pre>2&3&4</pre>
	Carefully read the question and answer accordingly.			
JSP - JSTL-K	Consider the usage of JSTL <code>forEach</code> tag in the following code snippet: <pre> <c:forEach flag=errmsg items="\${errorMsgs}"> \${errmsg} </c:forEach> </pre>	MCQ	<pre> <c:forEach flag=errmsg items="\${errorMsgs}"> \${errmsg} </c:forEach> </pre>	<pre> <c:forEach flag="errmsg" items="\${errorMsgs}"> \${errmsg} </c:forEach> </pre>
JSP - JSTL-K	The code snippet contains some errors. Predict the correct code.	MCQ		
	Carefully read the question and answer accordingly.			
JSP - Beans	If you would like the JSP container to first try to find the "myBeanAttribute" attribute in the request scope. If it's not existing then should create the instance of "MyBean" and then assign it to the "myBeanAttribute" id variable in JSP and sets it as an attribute to the request scope.		<pre><jsp:useBean id="myBeanAttribute" class="com.cts.MyBean" scope="request" /></pre>	<pre><jsp:useBean id="myBeanAttribute" class="com.cts.MyBean" /></pre>
JSP - Beans	Which of the given option will help you to attain this?	MCQ		

JSP - Beans	<p>Carefully read the question and answer accordingly.</p> <p>Smith is developing an application using Java Server Pages. The name of the component that he has created is "Emp". he has included the following statement in her application:</p> <pre><jsp:setProperty name="Emp" property="*" /></pre> <p>What would be the result of the above code?</p>	MCQ	<p>It will iterate over the current ServletRequest parameters setting each matched property to the value of the matching parameter</p>	<p>It will iterate over the current ServletRequest parameters getting each property to the value of the parameter</p>
JSP - Beans	<p>Carefully read the question and answer accordingly.</p> <p>Consider the following code snippet:</p> <pre><jsp:forward page="relativeURLspec"/></pre> <p>Which of the following statements is true about the execution status of the page where this statement has been written?</p>	MCQ	<p>The execution of the current page continues.</p>	<p>The execution of the current page is terminated.</p>
JSP - Beans	<p>Carefully read the question and answer accordingly.</p> <p>In an web page how would you write the JSP standard action code to import a JSP segment that generates user preference specific content?</p> <p>Carefully read the question and answer accordingly.</p> <p>Given a servlet that stores an Account bean in the session scope with the following code snippet:</p> <pre>public void doPost(HttpServletRequest req, HttpServletResponse resp) { HttpSession session = req.getSession(); com.cts.Account acc= new com.cts.Account(); emp.setAccountNumber(req.getParameter("acc_num")); session.setAttribute("account", acc); RequestDispatcher page = req.getRequestDispatcher("index.jsp"); page.forward(req, resp); }</pre> <p>Which of these complete JSPs will print the account number?</p>	MCQ	<pre><jsp:include page="user-pref.jsp"> <jsp:param name="userPreference" value="\${user.preference}" /> </jsp:include></pre>	<pre><jsp:import page="user-pref.jsp"> <jsp:param name="userPreference" value="\${user.preference}" /> </jsp:include></pre>
JSP - Beans	<p>Which of these complete JSPs will print the account number?</p>	MCQ	<pre><%= account.getAccountNumber() %></pre>	<pre><%= employee.getAccountNumber();%></pre>

Carefully read the question and answer accordingly.

What is the effect of executing the following JSP statement, assuming a class with name Employee exists in com.cts package.

```
<jsp:useBean id="employee"
class="com.cts.Employee" scope="session"/>
<jsp:setProperty name="employee"
property="**"/>
```

JSP - Beans

MCQ

The code does not compile as property attribute cannot take * as a value.

The code sets value of all properties of employee bean to "**".

Carefully read the question and answer accordingly.

Consider the following code snippet of JSP Bean:

```
<jsp:usebean identity="login" scope="Session"
class=s.beans.LoginBean>
<%!
login.setValue(request.getParameter("Loginid"))
;
login.setAddress(request.getParameter("address"));
%>
<jsp:usebean>
```

However the preceding code contains errors.

JSP - Beans

Predict the correct code.

MCQ

Carefully read the question and answer accordingly.

Lisa is a web developer she developing dynamic web application using JSP. She want to include "Header.jsp" in all JSP page which she have designed. Which of the following statement includes Header.jsp file?

1.<jsp:include page="Header.jsp"/>

2.<jsp:include file="Header.jsp"/>

3.<%@include file="Header.jsp"%>

JSP - Beans

4.<%@include page="Header.jsp"%>

MCQ

```
<jsp:useBean
id="login"
scope="Session"
class="s.beans.LoginBean">
<%
login.setValue
(request.getParameter("Loginid"));
login.setAddress
(request.getParameter("address")); %>
</jsp:useBean
>
```

1&3

```
<jsp:useBean
identity="login"
scope="Session"
class="s.beans.LoginBean">
<%!
login.setValue
(request.getParameter("Loginid"));
login.setAddress
(request.getParameter("address")); %>
<jsp:useBean
>
```

2&3

Carefully read the question and answer accordingly.

For the given Employee class

```
package com.cts;
public class Employee{
    private String strEmpID="";
    public String getEmpId() {
        return this.strEmpID;
    }
    public void setEmpId(String strEmpID){
        this.strEmpID=strEmpID;
    }
}
```

We have the JSP file

```
<jsp:useBean id="employee"
class="com.cts.Employee" scope="request">
    <property name="person" property="empId"
value="<%=
request.getParameter("empId")%>" />
</jsp:useBean>
<html>
<body>
Employee Id:
</body></html>
```

Identify the JSP tag from the given options to print the employee id.

JSP - Beans

MCQ

```
<jsp:getProper <Jsp:getPrope
ty               rty
name="emplo     name="emplo
yee"             yee"
property="strE   property="Em
mpID"/>          pID"/>
```

Carefully read the question and answer accordingly.

Your web application views all have the same header which includes <title> tag in the <head> element of the rendered HTML. You have decided to remove the redundant HTML code from your JSPs and put into a single JSP called /WEB-INF/jsp/header.jsp. However, the title of each page is unique, so you have decided to use variable called pageTitle to parameterize this in the header JSP like this:

```
<title> ${param.pageTitle}</title>
```

Which JSP code snippet you use in your main view JSPs to insert the header and pass the pageTitle variable?

JSP - Beans

MCQ

```
<jsp:insert      <jsp:include
page='WEB-      page='WEB-
INF/jsp/headers.jsp'>
INF/jsp/headers.jsp'>
<jsp:param       <jsp:param
name='pageTitle' name='pageTitle'
value="Welcome Page" />
value="Welcome Page" />
</jsp:include>   </jsp:include>
```

Carefully read the question and answer accordingly.

Identify the different values which a scope attribute of a <jsp:useBean>action can set?

JSP - Beans

MCQ

```
page, request,
session and
application.    page and
request only
```

Carefully read the question and answer accordingly.
 Lisa is a systems programmer at ABC Consultants. She has written an application to accept student marks in the variable marks. If the student has scored marks greater than 60. She needs to forward the control of the program to another file called as "Ex.jsp" else the control should be forwarded to a file called as "Av.jsp". Which of the following code snippets should she use for checking this condition and forward control?

JSP - Beans MCQ

Carefully read the question and answer accordingly.
 Identify the different actions which are generally used while integrating JavaBeans with JSP?

JSP - Beans MCQ

Carefully read the question and answer accordingly.
 Which attribute of the page directive indicates that the JSP engine can handle more than one request at a time when its value is set to true?

JSP - Beans MCQ

Carefully read the question and answer accordingly.
 Sally has written the following code to access the Employee bean that has already been created with the property called EmpNumber:

```
<html>
<body>
<jsp:useBean id="employee" scope="session" class="Employee" />
<b> The current count for the Employee bean is:</b> <%employee.getEmpNumber()%>
</body>
</html>
```

The bean has the following code in the getEmpNumber method:

```
public int getEmpNumber()
{
EmpNumber++;
return this.EmpNumber;
}
```

Which of the following statements is true about the output of the above code when the page is loaded and reloaded?

JSP - Beans MCQ

```
<% if
(request.retrieveParameter("marks"))>=60)
{ %>
<jsp:moveforward
ard
page="Ex.jsp"
>
</jsp:forward>
<% } else {
%>
<jsp:moveforward
ard
page="Av.jsp"
>
</jsp:forward>
/> <% } else {
%>
<jsp:forward
page="Av.jsp"
/> <% } %>
<jsp:useBean
><jsp:setProperty> and
<jsp:getProperty>
<jsp:include>
```

IsThreadSafe Info

The value will be incremented everytime the page is loaded.

The value will be always displayed as 1.

	Carefully read the question and answer accordingly.			
JSP - Implicit	Which of the following objects of JSP contain the servlet configuration?	MCQ	config	application
	Carefully read the question and answer accordingly.			
JSP - Implicit	Which of the following variable represents the uncaught throwable object that resulted from a call to the error page in JSP?	MCQ	Application	Config
	Carefully read the question and answer accordingly.			
JSP - Implicit	Which object of JSP holds reference to javax.servlet.http.HttpSession object?	MCQ	session	request
	Carefully read the question and answer accordingly.			
	What will be the output of the following code snippet?			
	<pre> <% page language="java"%> <html> <head></head> <body> <%java.util.Date now=new java.util.Date(); %> <H1><%= now.getHours() %>:<%=now.getMinutes()%>:<%=now.getSeco nds()%></H1> </body> </html> </pre>			
JSP - Elemer		MCQ	It will display the date as mm:dd:yy.	It will display the date and time.
			Putting <scripting-invalid> element in web.xml	Declaring <scripting-invalid> tag at the top of JSP page
JSP - Elemer	Carefully read the question and answer accordingly.	MCQ		
	Scripting can be blocked in a jsp by:			
	Carefully read the question and answer accordingly.			
JSP - Elemer	Gen wants to create a new JSP page. Which element of JSP provide global information about an entire JSP page?	MCQ	Scriptlet	Directive
	Carefully read the question and answer accordingly.			
JSP - Elemer	Manisha is creating an application which makes use of Java Server pages. Which of the following implicit object she should use to get a reference to the JSPWriter?	MCQ	out	in
	Carefully read the question and answer accordingly.		Print something on the screen	Declare a variable
JSP - Elemer	The purpose of a JSP Expression tag is to:	MCQ		
	Carefully read the question and answer accordingly.			
JSP - Elemer	A scriptlet contains Java code that is executed every time a JSP is invoked.State True or False.	MCQ	TRUE	FALSE

Carefully read the question and answer accordingly.
You are developing dynamic web application using JSP. Which attribute of page directive specifies the list of classes imported in the JSP

JSP - Elemer file? MCQ

Carefully read the question and answer accordingly.
Gen has written a JSP code in which he is calling the getMessage() function which is returning a value "hello world". You have to identify which code should he use to get this?

JSP - Elemer MCQ

Carefully read the question and answer accordingly.
Which of the following is valid declaration in JSP using declaration tag?

JSP - Elemer MCQ

Carefully read the question and answer accordingly.
Which of the following attributes of page directive are invalid?

JSP - Directiv MCQ

Carefully read the question and answer accordingly.
A Web application developed for an institution requires insertion of a header file comprising the logo and institution name. Identify the correct JSP tag from the options given below to add the logo and institution name to all the pages of the Web application.

JSP - Directiv MCQ

Carefully read the question and answer accordingly.
Consider you are developing web application which following code snippet listed depicts that the JSP page is an errorpage?

JSP - Directiv MCQ

Carefully read the question and answer accordingly.
Given the JSP code:
<% request.setAttribute("foo", "bar"); %>
and the Classic tag handler code:
5. public int doStartTag() throws JspException {
6. // insert code here
7. // return int
8. }
Assume there are no other "foo" attributes in the web application.
Which invocation on the pageContext object, inserted at line 6, assigns "bar" to the variable

JSP - Directiv x? MCQ

```
import session
<html> <%<html> <%
String String
message="hel message="hel
lo world"; lo world";
String String
getMessage() getMessage()
{ return { return
message; } message; }
%> Message %> Message
for you:<%= for you:<%=
getMessage() getmessage()
%> </html> %> </html>
```

```
<!% String < %! String
name="Rocky name="Rocky
" % > "; % >
```

```
isELIgnored isScriptingEna
bled
```

```
<form <%@ include
method="post" file="Header.h
action="Heade tml" %>
r.html">
```

```
<%@ page <%@ page
isErrorPage="t ErrorPage="tr
ue" %> ue" %>
```

```
String x = String x =
(String) (String)
pageContext.g pageContext.g
etAttribute("fo etRequestSco
o"); pe("foo");
```

	Carefully read the question and answer accordingly. Consider you are developing web application. Which of the following option is a valid in JSP for importing the package?	MCQ	<%@ page import="java.util.*" %>	<%@ page session="true" %>
JSP - Directive	Carefully read the question and answer accordingly. Consider you are creating a JSP page. You want to use the classes of java.util package. Which statement will you use to import the java.util package?	MCQ	<%@ page import="java.util.*" %> A servlet configuration object used by a servlet container to pass information to a servlet during initialization	<% page import java.util.* %> The ServletConfig object is contained within the ServletContext object.
Servlets - Configuration	Carefully read the question and answer accordingly. What is the use of ServletConfig interface?	MCQ	void setAttribute(String name, Object object)	void setAttribute(String name, String value)
Servlets - Configuration	Carefully read the question and answer accordingly. Which method binds an object to a given attribute name in this ServletContext interface?	MCQ	javax.servlet.ServletConfig	javax.ServletConfig
Servlets - Configuration	Carefully read the question and answer accordingly. Which of the following interface represents the Servlet Config for the current Servlet?	MCQ	after constructor runs	
Servlets - Configuration	Carefully read the question and answer accordingly. ServletConfig comes into picture _____.	MCQ	after init() runs	
Servlets - Configuration	Carefully read the question and answer accordingly. Which of the following tag is used to specify the initialization parameters in the web.xml file?	MCQ	<init-param>	<servlet>
Servlets - Configuration	Carefully read the question and answer accordingly. What is the return type of getAttribute() method of HttpServletRequest ?	MCQ	Object	String
Servlets - Configuration	Carefully read the question and answer accordingly. Which method of ServletConfig interface returns a String containing the value of the named initialization parameter, or null if the parameter does not exist?	MCQ	getInitParameter(String name)	getParameter()
Servlets - Configuration	Carefully read the question and answer accordingly. Which method removes the attribute with the given name from the ServletContext interface?	MCQ	void flushAttribute(String name)	void clearAttribute(String name)

			private void _jspService(Ht tpServletRequ est request, HttpServletRe sponse response)thro ws ServletExcepti on, java.io.IOExce ption	public void _jspService(Ht tpServletRequ est request, HttpServletRe sponse response)thro ws ServletExcepti on, java.io.IOExce ption
	Carefully read the question and answer accordingly. Which of the following is valid _jspService() method signature?	MCQ		
JSP - Basics-	Carefully read the question and answer accordingly. If an error occurs while the JSP page is being compiled, the server will return a Exception.			
JSP - Basics-	Identify the type of the Exception	MCQ	ParseException	JasperExcepti on
	Carefully read the question and answer accordingly. When a JSP is executed, out of the following, what is most likely to be sent to the client?	MCQ	The source JSP file	The source Servlet file
JSP - Basics-	Carefully read the question and answer accordingly. _jspService() method cannot be overridden by the author. Say True or False	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. Consider the following code with line number given below: Line 4: <%! int a=6; %> Line 5: <% int b=8; %> Line 6: Result is <%= a*b; %>			
JSP - Basics-	Which of the following are true with respect to the above code segment?	MCQ	Line 4 is invalid	Line 5 is invalid
	Carefully read the question and answer accordingly. JSP files stored in the WEB-INF directory cannot be seen directly from a visiting web browser. Say True or False	MCQ	TRUE	FALSE
JSP - Basics-	Carefully read the question and answer accordingly. During the JSP translation if the translator encounters a malformed JSP element), the server will return Exception. Identify the type of the Exception.	MCQ	ParseException	JasperExcepti on
JSP - Basics-	Carefully read the question and answer accordingly. Which of the following methods can not be over- ridden ?	MCQ	jspInit()	_jspService()
JSP - Basics-	Carefully read the question and answer accordingly. JSP syntax errors are caught during which lifecycle event of JSP?	MCQ	Execution	Compilation

	Carefully read the question and answer accordingly. Identify the life cycle method that is called to initialize the instantiated servlet instance.	MCQ	jspInitialize()	jspInitit()
	Carefully read the question and answer accordingly. _jspService() method is called only for the first time a request comes to jsp during its lifecycle	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. Identify the location in which the translated JSP servlet code will be stored	MCQ	WEB-INF	WEB-INF/classes
	Carefully read the question and answer accordingly. A Java Server Page (JSP) cannot be deployed in web server	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. Translation and Compilation of JSP happens during:	MCQ	Deployment	Execution
	Carefully read the question and answer accordingly. jspInit() method can be overridden by the author. Say True or False	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. Which of the following describes the jsp life cycle process best?	MCQ	JSP page is translated to a servlet, servlet is loaded into memory, code is compiled, instance is created	JSP page is translated to a servlet, code is compiled, servlet is loaded into memory, code is compiled, instance is created
	Carefully read the question and answer accordingly. Which protocol Servlets and JSP use to communicate with clients?	MCQ	HTTP	FTP
	Carefully read the question and answer accordingly. Identify the method in which all our scriptlets code will be placed	MCQ	jspInit()	jspService()
	Carefully read the question and answer accordingly. While overriding the destroy method(life cycle method), we should always handle the JasperException. Say true or false	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. Which of the following tag disables scriptlets?	MCQ	<is-scripting-invalid>	<scripting-invalid>

	Carefully read the question and answer accordingly.		HttpServletRe quest	ServletHttpRe quest
JSP - Basics-	In JSP request implicit object is of which type?	MCQ		
	Carefully read the question and answer accordingly.		Servlet lifecycle management	Multithreading support
JSP - Basics-	Which of the following is NOT a Container feature?	MCQ		
	Carefully read the question and answer accordingly.			
	Consider the following statements:			
	Statement A: JSP page is a text-based document that contains two types of text viz. Static template data & JSP elements		Statement A is true and statement B is true.	Statement A is true and statement B is false.
JSP - Basics-	Statement B: JSP is used for presentation stuff and servlets are used for control and business logic stuff.	MCQ		
	Carefully read the question and answer accordingly.			
	Identify the entry in web.xml that will instruct the container to compile the JSP when the container starts rather than waiting for the first time.	MCQ	<load-on- startup>	<load-on- start>
	Carefully read the question and answer accordingly.			
	Which statement is true about Java Server Pages?			
	1.Used to build dynamic web pages			
	2.Platform dependent			
JSP - Basics-	3.HTML files with special tags that contain java source code to generates dynamic content	MCQ	1&3	2&3
	Carefully read the question and answer accordingly.			
	Identify the life cycle method that is called when a JSP is destroyed	MCQ	jspDestroyed()	jspDestory()
JSP - Basics-	Carefully read the question and answer accordingly.			
	Which of the following options represents the presentation logic to provide the data of the model in the MVC design pattern?	MCQ	Model	View
	Carefully read the question and answer accordingly.			
	<%! int a=6; %>			
	<% int a=5; %>			
	<% int b=3; %>			
	Result is <%= a*b %>		Compilation error	Will display 18
JSP - Basics-	What is the result of the above code segment ?	MCQ		
	Carefully read the question and answer accordingly.			
	It is not necessary to implement your own jsplnit or jspDestroy methods as they are made available within the base class. Say True or False.	MCQ	TRUE	FALSE

	Carefully read the question and answer accordingly.			
JSP - Basics-	What language is used to write servlets and JSP?	MCQ	Servlets are written in the Java language	Servlets are written in the Java script
	Carefully read the question and answer accordingly.			
JSP - Basics-	Which method of jsp is equivalent to service method of servlet?	MCQ	_jspService()	jsp_Service()
	Carefully read the question and answer accordingly.			
JSP - Basics-	JSP initialization method(life cycle method) is called immediately before the servlet instance was created	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly.			Web Application Archive
JSP - Basics-	WAR stands for	MCQ	Web ARchive	
			Translation & compilation, In stantiation, initialization, se	
	Carefully read the question and answer accordingly.		rvce destroy	invoking, destroy. Web
JSP - Basics-	Which of the following describes JSP life cycle management?	MCQ	container manages this life cycle	Browser manages this life cycle
	Carefully read the question and answer accordingly.			
JSP - Basics-	A JSP page services requests as a servlet. Say True or False	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly.			
JSP - Basics-	The container supplies a ServletConfig reference to the jsplnit() method. Say true or false	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly.			
JSP - Basics-	Which of the following have default value set to true?	MCQ	session	isELIgnored
	Carefully read the question and answer accordingly.			
JSP - Basics-	During translation the scriptlet code is copied inside:	MCQ	The init method of the generated servlet	The service method of generated servlet

<p>Carefully read the question and answer accordingly.</p> <p>Ronald has observed that his Web application has some HTML tags or features that all the Web browsers do not support. If the client's browser does not support the application may or may not run or may generate undesired output in the Web browser of the client. Therefore Ronald wants to identify the type of browser and other specific information about the client that sends the request to the Web application before invoking the servlet. Which of the following options will help Ronald provide this functionality?</p> <p>Servlets - Filter this functionality? MCQ</p>	By programming filters	By creating security constraints
<p>Carefully read the question and answer accordingly.</p> <p>Given a Filter class definition with this method:</p> <pre> 21. public void doFilter(ServletRequest request, 22. ServletResponse response, 23. FilterChain chain) 24. throws ServletException, IOException { 25. // insert code here 26. }</pre> <p>Which code line should you insert at line 25 to properly invoke the next filter in the chain, or the target servlet if there are no more filters?</p> <p>Servlets - Filter there are no more filters? MCQ</p>	chain.forward(request, response);	chain.doFilter(request, response);
<p>Carefully read the question and answer accordingly.</p> <p>The child elements of <filter> elements are:</p> <ol style="list-style-type: none"> 1.<display-name> 2.<init> 3.<config> 4.<context> 5.<filter-class> <p>Servlets - Filter 5.<filter-class> MCQ</p>	1&2	1&3
<p>Carefully read the question and answer accordingly.</p> <p>You are developing a web application using Servlets. You have to use filters so that the web container intercepts the incoming requests before it is forwarded to the servlet. Which of the following method is called for every request intercepted by the filter?</p> <p>Servlets - Filter intercepted by the filter? MCQ</p> <p>Carefully read the question and answer accordingly.</p>	init	doFilter
<p>Which of the following used by container to validate a custom tag in a JSP page?</p> <p>JSP - Custom validate a custom tag in a JSP page? MCQ</p>	web.xml	Xerces

	Carefully read the question and answer accordingly. <pref:tag1> <%= result %> </pref:tag1> Which of the following are valid for the <body-content> tag of tag1?	MCQ	JSP	empty
JSP - Custom	Carefully read the question and answer accordingly. How do you declare a tag library within a JSP page to use custom tags?	MCQ	By using scriptlet.	By using taglib directive.
JSP - Custom	Carefully read the question and answer accordingly. Mention some of the important functions of Servlet Filter. 1.Security Checks 2.allowing all the users 3.Modifying the request or response	MCQ	1&2	1&3
Servlets - Filt	Carefully read the question and answer accordingly. A filter configuration object used by a servlet container to pass information to a filter during initialization.	MCQ	TRUE	FALSE
Servlets - Filt	State True or False. Carefully read the question and answer accordingly. Filters can create responses by themselves.	MCQ	FALSE	TRUE
Servlets - Filt	State True or False.	MCQ	FALSE	TRUE
	Carefully read the question and answer accordingly. What will be the output for following code? class Super { static void show() { System.out.println("super class show method"); } static class StaticMethods { void show() { System.out.println("sub class show method"); } } public static void main(String[]args) { Super.show(); new Super.StaticMethods().show(); } }	MCQ	super class show method sub class show method	super class show method
CoreJava-Ac				

CoreJava-Ac	Carefully read the question and answer accordingly. When one method is overridden in sub class the access specifier of the method in sub class should be equal as method in super class. State True or False.	MCQ	FALSE	TRUE
CoreJava-Ac	Carefully read the question and answer accordingly. A class can be declared as _____ if you do not want the class to be subclassed. Using the _____ keyword we can abstract a class from its implementation	MCQ	protected ,interface	final,interface
CoreJava-Ac	Carefully read the question and answer accordingly. The constructor of a class must not have a return type.	MCQ	TRUE	FALSE
CoreJava-Ac	Carefully read the question and answer accordingly. Which of the following are true about constructors?	MCQ	Constructors can be overloaded	Constructors can be overridden.
CoreJava-Ac	Carefully read the question and answer accordingly. A field with default access specifier can be accessed out side the package. State True or False.	MCQ	FALSE	TRUE
CoreJava-Ac	Carefully read the question and answer accordingly. _____ determines which member of a class can be used by other classes.	MCQ	specifier	Inheritance
CoreJava-Ac	Carefully read the question and answer accordingly. Which of the following statements are true about Method Overriding? I: Signature must be same including return type II: If the super class method is throwing the exception then overriding method should throw the same Exception III: Overriding can be done in same class IV: Overriding should be done in two different classes with no relation between the classes	MCQ	I	II & IV
CoreJava-Ac	Carefully read the question and answer accordingly. If display method in super class has a protected specifier then what should be the specifier for the overriding display method in sub class?	MCQ	protected or default	protected or public

accordingly.
What will be the output for following code?

```
class Super
{
    int num=20;
    public void display()
    {
        System.out.println("super class method");
    }
}
public class ThisUse extends Super
{
    int num;
    public ThisUse(int num)
    {
        this.num=num;
    }
    public void display()
    {
        System.out.println("display method");
    }
    public void Show()
    {
        this.display();
        display();
        System.out.println(this.num);
        System.out.println(num);
    }
    public static void main(String[]args)
    {
        ThisUse o=new ThisUse(10);
        o.Show();
    }
}
```

CoreJava-Ac o.Show();

MCQ

super class
method
display
method 20 20

display
method
display
method 10 10

accordingly.
 What will be the output of following code?
 class Super2
 {
 public void display()
 {
 System.out.println("super class display
 method");
 }
 public void exe()
 {
 System.out.println("super class exe method");
 display();
 }
 }
 public class InheritMethod extends Super2
 {
 public void display()
 {

 System.out.println("sub class display method");
 }

 public static void main(String [] args)
 {

 InheritMethod o=new InheritMethod();

 o.exe();
 }
 }

CoreJava-Ac

MCQ

Carefully read the question and answer
 accordingly.

CoreJava-Ac Which of the following method is used to
 initialize the instance variable of a class.

MCQ

Carefully read the question and answer
 accordingly.

CoreJava-Ac Which of the following are true about protected
 access specifier?

MCQ

super class
 exe method
 sub class
 display
 method
 super class
 exe method
 super class
 display
 method

Class Public

If one class is
 having
 protected
 method then
 the method is
 available for
 subclass
 which is
 present in
 another
 package

A class can be
 declared as
 protected.

Carefully read the question and answer accordingly.
What will be the output for following code?

```
public class Variables
{
    public static void main(String[]args)
    {
        public int i=10;
        System.out.println(i++);
    }
}
```

CoreJava-Ac	MCQ	10	11
Carefully read the question and answer accordingly. Constructor of an class is executed each time	MCQ	TRUE	FALSE
Carefully read the question and answer accordingly. Which of the following correctly fits for the definition 'holding instances of other objects'?	MCQ	Aggregation	Composition

Carefully read the question and answer accordingly.

```
public abstract class Shape
{
    private int x;
    private int y;
    public abstract void draw();
    public void setAnchor(int x, int y)
    {
        this.x = x;
        this.y = y;
    }
}
```

Which two classes use the Shape class correctly?

1. public class Circle implements Shape {
private int radius;
}
2. public abstract class Circle extends Shape {
private int radius;
}
3. public class Circle extends Shape {
private int radius;
public void draw();
}
4. public class Circle extends Shape {
private int radius;
public void draw() { /* code here */ }

CoreJava-Inh	MCQ	1&2	1&3
--------------	-----	-----	-----

CoreJava-Inh	<p>Carefully read the question and answer accordingly. State whether TRUE or FALSE. If any method overrides one of it's super class methods, we can invoke the overridden method through the this keyword.</p>	MCQ	TRUE	FALSE
CoreJava-Inh	<p>Carefully read the question and answer accordingly. What will be the output for following code? <pre> class super3{ int i=10; public super3(int num){ i=num; } } public class Inherite1 extends super3{ public Inherite1(int a){ super(a); } public void Exe(){ System.out.println(i); } public static void main(String[]args){ Inherite1 o=new Inherite1(50); super3 s=new Inherite1(20); System.out.println(s.i); o.Exe(); } } </pre> </p>	MCQ	10 50	20 50
CoreJava-Inh	<p>Carefully read the question and answer accordingly. State whether TRUE or FALSE. An abstract class cannot contain non abstract methods</p>	MCQ	TRUE	FALSE
CoreJava-Inh	<p>Carefully read the question and answer accordingly. What is the output of below code: <pre> package p1; class Parent { public static void doWork() { System.out.println("Parent"); } } class Child extends Parent { public static void doWork() { System.out.println("Child"); } } class Test { public static void main(String[] args) { Child.doWork(); } } </pre> </p>	MCQ	Child Parent	Parent

<p>Carefully read the question and answer accordingly.</p> <pre> interface A { public abstract void aM1(); public abstract void aM2(); } interface B extends A { public void bM1(); public void bM2(); } public class Demo extends Object implements B { </pre>			
CoreJava-Inh	<p>In above scenario class Demo must override which methods?</p>	MCQ	<pre> public void aM1(){} public void aM2(){} public void bM1(){} public void bM2(){} </pre>
<p>Carefully read the question and answer accordingly.</p> <p>State whether TRUE or FALSE.</p> <p>The below code will compile & provide desired output:</p> <pre> package p1; interface Bounceable { void bounce(); void setBounceFactor(int bf); private class BusinessLogic { int var1; float var2; double result(int var1,float var2){ return var1*var2; } } } class Test { public static void main(String[] args) { System.out.println(new Bounceable.BusinessLogic().result(12,12345.22F)); } } </pre>			
CoreJava-Inh		MCQ	<div>TRUE</div> <div>FALSE</div>
<p>Carefully read the question and answer accordingly.</p> <p>Choose the correct option.</p> <p>Statement I: When an abstract class is subclassed, the subclass should provide the implementation for all the abstract methods in its parent class.</p> <p>Statement II: If the subclass does not implement the abstract method in its parent class, then the subclass must also be declared abstract.</p>			
CoreJava-Inh		MCQ	<div>Statement I & II are TRUE</div> <div>Statement I is TRUE & II is FALSE</div>

CoreJava-Inh	<p>Carefully read the question and answer accordingly. Choose the correct option. Statement I: A subclass inherits all of the “public” and “protected” members of its parent, no matter what package the subclass is in. Statement II: If the subclass of any class is in the same package then it inherits the default access members of the parent.</p>	MCQ	Statement I & II are TRUE	Statement I is TRUE & II is FALSE
CoreJava-Inh	<p>Carefully read the question and answer accordingly. State whether TRUE or FALSE. The below code will compile & provide desired output: package p1; class Parent { private int doWork(){ System.out.println("Do Work - Parent"); return 0; } } class Child extends Parent { public void doWork(){ System.out.println("Do Work - Child"); } } class Test{ public static void main(String[] args) { new Child().doWork(); } }</p>	MCQ	TRUE	FALSE
CoreJava-Inh	<p>Carefully read the question and answer accordingly. State whether TRUE or FALSE. If any class has at least one abstract method you must declare it as abstract class</p>	MCQ	TRUE	FALSE
CoreJava-Inh	<p>Carefully read the question and answer accordingly. public interface Status { /* insert code here */ int MY_VALUE = 10; } Which are valid on commented line? 1.final 2.static 3.native 4.public</p>	MCQ	1&2	1&2&3

Carefully read the question and answer accordingly.
 Choose the correct option.
 Statement I: When all methods in a class are abstract the class can be declared as an interface.

Choose the correct option.

Statement II: An interface defines a contract for

CoreJava-Inh classes to implement the behavior. MCQ

accordingly.

abstract class Vehicle

```
{
    public int speed()
    {
        return 0;
    }
}
```

class Car extends Vehicle

```
{
    public int speed()
    {
        return 60;
    }
}
```

class RaceCar extends Car

```
{
    public int speed()
    {
        return 120;
    }
}
```

public class Demo

```
{
    public static void main(String [] args)
    {
        RaceCar racer = new RaceCar();
        Car car = new RaceCar();
        Vehicle vehicle = new RaceCar();
        System.out.println(racer.speed() + ", " +
            car.speed()+", " + vehicle.speed());
    }
}
```

CoreJava-Inh } MCQ

Statement I &
 II are TRUE

Statement I is
 TRUE & II is
 FALSE

0, 0, 0

120, 60, 0

CoreJava-Inh	<p>Carefully read the question and answer accordingly. What will be the output for following code</p> <pre> public class MethodOverloading { int m=10,n; public void div(int a) throws Exception{ n=m/a; System.out.println(n); } public void div(int a,int b) { n=a/b; } public static void main(String[]args) throws Exception{ MethodOverloading o=new MethodOverloading(); o.div(0); o.div(10,2); } } </pre>	MCQ	It will print ArithmeticExc eption and prints 5	It will give ArithmeticExc eption
CoreJava-Inh	<p>Carefully read the question and answer accordingly. State whether TRUE or FALSE. The below code will compile & provide desired output:</p> <pre> package p1; abstract class LivingThings{ public abstract void resperate(); interface Living { public abstract void walk(); } } class Human implements LivingThings.Living{ @Override public void walk() { System.out.println("Human Can Walk"); } } class Test { public static void main(String[] args) { new Human().walk(); } } </pre>	MCQ	TRUE	FALSE
CoreJava-Inh	<p>Carefully read the question and answer accordingly. State whether TRUE or FALSE. An overriding method can also return a subtype of the type returned by the overridden method.</p>	MCQ	TRUE	FALSE

Carefully read the question and answer accordingly.

```
abstract public class Employee
{
    protected abstract double getSalesAmount();
    public double getCommision() {
        return getSalesAmount() * 0.15;
    }
}
```

```
class Sales extends Employee
```

```
{
// insert method here
}
```

Which two methods, inserted independently, correctly complete the Sales class?

- 1.double getSalesAmount() { return 1230.45; }
2. public double getSalesAmount() { return 1230.45; }
- 3.private double getSalesAmount() { return 1230.45; }
- 4.protected double getSalesAmount() { return 1230.45; }

CoreJava-Inh

MCQ

1&2

1&3

Carefully read the question and answer accordingly.

State whether TRUE or FALSE.

The below code will compile & provide desired output:

```
package p1;
interface A {
    public abstract void methodOne();
}
interface B extends A {
    public abstract void methodTwo();
}
class C implements B{
    @Override
    public void methodTwo() {
        System.out.println("Method Two Body");
    }
}
class Test {
    public static void main(String[] args) {
        new C().methodTwo();
    }
}
```

CoreJava-Inh }

MCQ

TRUE

FALSE

Carefully read the question and answer accordingly.			
<pre>interface B { public void bM1(); public void bM2(); } abstract class A implements B { public abstract void aM1(); public abstract void aM2(); public void bM1(){} } public class Demo extends A { }</pre>			
CoreJava-Inh	In above scenario class Demo must override which methods?	MCQ	<div>public void aM2(){}public void aM1(){}<div></div></div>
Carefully read the question and answer accordingly.			
State whether TRUE or FALSE.			
Interface can be used when common functionalities have to be implemented differently across multiple classes.			
CoreJava-Inh		MCQ	<div>TRUEFALSE</div>
Carefully read the question and answer accordingly.			
State whether TRUE or FALSE.			
The below code will compile & provide desired output:			
<pre>package p1; interface A { public abstract void methodOne(); } interface B{ public abstract void methodTwo(); } interface C{ public abstract void methodTwo(); } class D implements B,C,A{ public void methodOne(){} public void methodTwo(){ System.out.println("Method Two"); } } class Test { public static void main(String[] args) { new D().methodTwo(); } }</pre>			
CoreJava-Inh		MCQ	<div>TRUEFALSE</div>


```
public class Person
{
    private String name;
    public Person(String name) { this.name =
name; }
    public boolean equals(Person p)
    {
        return p.name.equals(this.name);
    }
}
```

MCQ

Which of the following keywords ensures that a method cannot be overridden?

MCQ

```
package p1;
abstract class LivingThings{
    public abstract int walk();
}
class Human extends LivingThings{
    @Override
    public void walk() {
        System.out.println("Human Can Walk");
    }
}
class Test {
    public static void main(String[] args) {
        new Human().walk();
    }
}
```

MCQ

Compilation fails because the private attribute `p.name` cannot be accessed.

protected

Compilation Error

CoreJava-Inh	<p>Carefully read the question and answer accordingly. What will be the output of following code?</p> <pre> class InterfaceDemo { public static void main(String [] args) { new DigiCam().doCharge(); new DigiCam(){ public void writeData (String msg) { System.out.println("You are Sending: "+msg); } }.writeData("MyFamily.jpg"); } } interface USB { int readData(); void writeData(String input); void doCharge(); } abstract class DigiCam implements USB { public int readData(){ return 0;} public void writeData(String input){} public void doCharge() { System.out.println("DigiCam do Charge"); } } </pre>	MCQ	DigiCam do Charge You are Sending: MyFamily.jpg	Compilation Error
CoreJava-Inh	<p>Carefully read the question and answer accordingly. What is the output of below code:</p> <pre> package p1; public class Test { public static void main(String[] args) { Test t1 = new Test(); Test t2 = new Test(); if (!t1.equals(t2)) System.out.println("they're not equal"); if (t1 instanceof Object) System.out.println("t1's an Object"); } } </pre>	MCQ	they're not equal	t1's an Object
CoreJava-Inh	<p>Carefully read the question and answer accordingly. State whether TRUE or FALSE. A concrete class can extend more than one super class whether that super class is either concrete or abstract class</p>	MCQ	TRUE	FALSE

Carefully read the question and answer accordingly.

```
public class Client1
{
    public static void main(String [] args)
    {
        PenDrive p;
        PenDrive.Vendor v1=new
        PenDrive.Vendor("WD",500);
        System.out.println(v1.getName());
        System.out.println(v1.getPrice());
    }
}
class PenDrive
{
    static class Vendor
    {
        String name;
        int price;
        public String getName(){ return name;}
        public int getPrice(){ return price;}

        Vendor(String name,int price)
        {
            this.name=name;
            this.price=price;
        }
    }
}
```

CoreJava-Inh What will be the output of the given code?

MCQ

Carefully read the question and answer accordingly.

State whether TRUE or FALSE.

The super() call can only be used in constructor calls and not method calls.

CoreJava-Inh

MCQ

Carefully read the question and answer accordingly.

Abstract classes can be used when

Statement I: Some implemented functionalities are common between classes

Statement II: Some functionalities need to be implemented in sub classes that extends the

CoreJava-Inh abstract class

MCQ

Class cannot be defined inside another class

Runtime Error.

TRUE

FALSE

Statement I & II are TRUE

Statement I is TRUE & II is FALSE

	<p>Carefully read the question and answer accordingly.</p> <pre> class InterfaceDemo { public static void main(String [] args) { DigiCam cam1=new DigiCam(); cam1.doCharge(); } } //main interface USB { int readData(); boolean writeData(String input); void doCharge(); } class DigiCam implements USB { public int readData(){ return 0;} public boolean writeData(String input){ return false; } void doCharge(){ return;} } </pre>		
CoreJava-Inh	<p>Which of the following is correct with respect to given code?</p> <p>Carefully read the question and answer accordingly.</p> <p>State whether TRUE or FALSE.</p> <p>Object class provides a method named getClass() which returns runtime class of an object.</p>	MCQ	<div>Code will not compile due to weaker access privilege.</div> <div>Code will Compile without any Error</div>
CoreJava-Inh	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre> public class VariableDec1 { public static void main(String[]args) { int l=32; char c=65; char a=c+l; System.out.println(a); } } </pre>	MCQ	<div>TRUE</div> <div>FALSE</div>
CoreJava-Ke	<p>Carefully read the question and answer accordingly.</p> <p>Which of the following code snippets make objects eligible for Garbage Collection?</p> <p>Statement A: String s = "new string"; s = s.replace('e', '3');</p> <p>Statement B:String replaceable = "replaceable"; StringBuffer sb = new StringBuffer(replaceable);replaceable = null; sb = null;</p>	MCQ	<div>97</div> <div>a</div> <div>Both Statements A and B</div> <div>Statement A alone</div>

	Carefully read the question and answer accordingly.			
CoreJava-Ke	Members of the classs are accessed by _____ operator	MCQ	address	dot
	Carefully read the question and answer accordingly.			
CoreJava-Ke	Which of the following is the correct syntax for suggesting that the JVM to performs garbage collection?	MCQ	System.setGa rbageCollectio System.free(); n();	
	Carefully read the question and answer accordingly.			
	What will be the output for following code? public class VariableDec { public static void main(String[]args) { int x = 1; if(x>0) x = 3; switch(x) { case 1: System.out.println(1); case 0: System.out.println(0); case 2: System.out.println(2); break; case 3: System.out.println(3); default: System.out.println(4); break; } } }			
CoreJava-Ke	}	MCQ	1 0 2	3 4
	Carefully read the question and answer accordingly.			
CoreJava-Ke	_____ Operator is used to create an object.	MCQ	class	new
	Carefully read the question and answer accordingly.			
CoreJava-Ke	Which of the following is not the Java keyword?	MCQ	extends	implements
	Carefully read the question and answer accordingly.			
CoreJava-Ke	Find the keyword(s) which is not used to implement exception	MCA	try	catch
	Carefully read the question and answer accordingly.			
CoreJava-Ke	The ++ operator postfix and prefix has the same effect	MCQ	TRUE	FALSE

CoreJava-Ke	<p>Carefully read the question and answer accordingly. What will be the output for following code?</p> <pre> public class Operators { public static void main(String[]args) { int i=12; int j=13; int k=++i-j--; System.out.println(i); System.out.println(j); System.out.println(k); } }</pre>	MCQ	12,12,-1	13,12,0
CoreJava-Ke	<p>Carefully read the question and answer accordingly. What will be the output for following code?</p> <pre> public class Variabledec { public static void main(String[]args){ boolean x = true; int a; if(x) a = x ? 2: 1; else a = x ? 3: 4; System.out.println(a); } }</pre>	MCQ	1	3
CoreJava-Ke	<p>Carefully read the question and answer accordingly. What is the correct structure of a java program? I: import statement II: class declaration III: package statement IV: method,variable declarations</p>	MCQ	III->I->II->IV.	I->III->II->IV
CoreJava-Ke	<p>Carefully read the question and answer accordingly. Garbage collector thread is a daemon thread. State True or False.</p>	MCQ	TRUE	FALSE
CoreJava-Ke	<p>Carefully read the question and answer accordingly. Garbage collection guarantee that a program will not run out of memory. State True or False.</p>	MCQ	FALSE	TRUE
CoreJava-Ke	<p>Carefully read the question and answer accordingly. Statement A:finalize will always run before an object is garbage collected Statement B:finalize method will be called only once by the garbage collector which of the following is true?</p>	MCQ	Both Statements A and B are true	Statement A is true and Statement B is false

	<p>Carefully read the question and answer accordingly.</p> <p>After which line the object initially referred by str ("Hello" String object) is eligible for garbage collection?</p> <pre> class Garbage{ public static void main(string[]args){ line 1:String str=new String("Hello"); line 2. String str1=str; line 3.str=new String("Hi"); line 4.str1=new String("Hello Again"); 5.return; } } </pre>			
CoreJava-Ke		MCQ	line 3	line 4
	<p>Carefully read the question and answer accordingly.</p> <p>How can you force garbage collection of an object?</p> <ol style="list-style-type: none"> 1.Garbage collection cannot be forced 2.Call System.gc(). 3.Call Runtime.gc(). 4. Set all references to the object to new values(null, for example). 			
CoreJava-Ke		MCQ	Option 2	Option 3
	<p>Carefully read the question and answer accordingly.</p> <p>Which of the below is invalid state of thread?</p>	MCQ	Runnable	Running
CoreJava-Th	<p>Carefully read the question and answer accordingly.</p> <p>Predict the output of below code:</p> <pre> package p1; class MyThread extends Thread { public void run(int a) { System.out.println("Important job running in MyThread"); } public void run(String s) { System.out.println("String in run"); } } class Test { public static void main(String[] args) { MyThread t1=new MyThread(); t1.start(); } } </pre>			
CoreJava-Th		MCQ	Compile Error	Important job running in MyThread
	<p>Carefully read the question and answer accordingly.</p> <p>Which of these is not a benefit of Multithreading?</p>		Reduce response time of process.	Support parallel operation of functions.
CoreJava-Th		MCQ		

Carefully read the question and answer accordingly.
 You have created a Timeout class as an extension of Thread, the purpose of which is to print a "Time's Over" message if the Thread is not interrupted within 10 seconds of being started. Here is the run method that you have coded:

```
public void run() {
    System.out.println("Start!");
    try {
        Thread.sleep(10000);
        System.out.println("Time's Over!");
    } catch (InterruptedException e) {
        System.out.println("Interrupted!");
    }
}
```

Given that a program creates and starts a Timeout object, which of the following statements is true?

CoreJava-Th MCQ

Carefully read the question and answer accordingly.

Synchronization is achieved by using which of the below methods

CoreJava-Th MCA

Carefully read the question and answer accordingly.

State whether TRUE or FALSE.

The below code will compile & provide desired output:

```
package p1;
class MyThread extends Thread {
    public void run() {
        System.out.println("Important job running in MyThread");
    }
    public void run(String s) {
        System.out.println("String in run is " + s);
    }
}
class Test {
    public static void main(String[] args) {
        MyThread t1=new MyThread();
        t1.start();
    }
}
```

CoreJava-Th MCQ

Exactly 10 seconds after the start method is called, "Time's Over!" will be printed. Exactly 10 seconds after the "Start!" is printed, "Time's Over!" will be printed.

Synchronized blocks Synchronized methods

TRUE FALSE

	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output of below code:</p> <pre> package p1; class MyThread extends Thread { public void run() { System.out.println("Important job running in MyThread"); } } class Test { public static void main(String[] args) { MyThread t1=new MyThread(); t1.run(); } } </pre>			
CoreJava-Th	<p>Carefully read the question and answer accordingly.</p> <pre> public class Threads { public static void main (String[] args) { new Threads().go(); } public void go() { Runnable r = new Runnable() { public void run() { System.out.print("Run"); } }; Thread t = new Thread(r); t.start(); t.start(); } } </pre> <p>What will be the result?</p>	MCQ	Compile Error	Important job running in MyThread
CoreJava-Th	Inter thread communication is achieved using which of the below methods?	MCQ	An exception is thrown at runtime.	The code executes normally and prints "Run".
CoreJava-Th	Carefully read the question and answer accordingly. Which of these is not valid method in Thread class	MCQ	wait()	notify()
CoreJava-Th	Carefully read the question and answer accordingly. State whether TRUE or FALSE. Threads are small process which run in shared memory space within a process.	MCQ	void run()	void start()
CoreJava-Th		MCQ	TRUE	FALSE

CoreJava-Th	<p>Carefully read the question and answer accordingly.</p> <p>Which of the following statements are true?</p> <p>Statement1: When a thread is sleeping as a result of sleep(), it releases its locks.</p> <p>Statement2: The Object.wait() method can be invoked only from a synchronized context.</p>	MCQ	<p>Statement1 is TRUE but Statement2 is FALSE.</p>	<p>Statement2 is TRUE but Statement1 is FALSE.</p>
CoreJava-Th	<p>Carefully read the question and answer accordingly.</p> <p>Which two statements are true?</p> <p>1.It is possible for more than two threads to deadlock at once.</p> <p>2.The JVM implementation guarantees that multiple threads cannot enter into a deadlocked state.</p> <p>3.Deadlocked threads release once their sleep() method's sleep duration has expired.</p> <p>4.If a piece of code is capable of deadlocking, you cannot eliminate the possibility of deadlocking by inserting</p> <p>invocations of Thread.yield().</p>	MCQ	1&2	1&3
CoreJava-Th	<p>Carefully read the question and answer accordingly.</p> <pre> public class TestDemo implements Runnable { public void run() { System.out.print("Runner"); } public static void main(String[] args) { Thread t = new Thread(new TestDemo()); t.run(); t.run(); t.start(); } } </pre> <p>What will be the result?</p>	MCQ	<p>You cannot call run() method using Thread class object.</p>	<p>An exception is thrown at runtime.</p>
CoreJava-Th	<p>Carefully read the question and answer accordingly.</p> <pre> class Background implements Runnable{ int i = 0; public int run(){ while (true) { i++; System.out.println("i="+i); } return 1; } } </pre> <p>//End class</p>	MCQ	<p>It will compile and the run method will print out the increasing value of i.</p>	<p>It will compile and calling start will print out the increasing value of i.</p>

Carefully read the question and answer accordingly.				
CoreJava-Th	Java provides ____ ways to create Threads.	MCQ	One	Two
Carefully read the question and answer accordingly. As per the below code find which statements are true.				
<pre> public class Test { public static void main(String[] args) { Line 1: ArrayList<String> myList=new List<String>(); Line 2: String string = new String(); Line 3: myList.add("string"); Line 4: int index = myList.indexOf("string"); System.out.println(index); } } </pre>				
CoreJava-Co		MCA	Line 1 has compilation error	Line 2 has run time exceptions
Carefully read the question and answer accordingly.				
CoreJava-Co	The ArrayList<String> is immutable.	MCQ	TRUE	FALSE
Carefully read the question and answer accordingly.				
CoreJava-Co	Map is the super class of Dictionary class?	MCQ	TRUE	FALSE
Carefully read the question and answer accordingly. Method keySet() in Map returns a set view of the keys contained in that map.				
CoreJava-Co	State True or False.	MCQ	TRUE	FALSE
Carefully read the question and answer accordingly.				
CoreJava-Co	Is "Array" a subclass of "Collection" ?	MCQ	TRUE	FALSE
Carefully read the question and answer accordingly. What will be the output for following code?				
<pre> public class Compare { public static void main(String[]args) { String s=new String("abc"); String s1=new String("abc"); System.out.println(s.compareTo(s1)); } } </pre>				
CoreJava-Co		MCQ	True	False
Carefully read the question and answer accordingly.				
CoreJava-Co	The LinkedList class supports two constructors.	MCQ	TRUE	FALSE

	Carefully read the question and answer accordingly. Consider the following statements about the Map type Objects: Statement A: Changes made in the set view returned by keySet() will be reflected in the original map. Statement B: All Map implementations keep the keys sorted. Which of the following option is true regarding the above statements?	MCQ	Both Statements A and B are true	Statement A is true and Statement B is false
CoreJava-Co	Carefully read the question and answer accordingly. what is the way to iterate over the elements of a Map	MCA	for loop	list Iterator
	Carefully read the question and answer accordingly. Consider the following partial code: java.util.Date date = new java.util.Date(); Which of the following statement is true regarding the above partial code?	MCQ	Creates a Date object with 0 as default value	Creates a Date object with '01-01-1970 12:00:00 AM' as default value
CoreJava-Co	Carefully read the question and answer accordingly. Consider the following list of code: A) Iterator iterator = hashMap.keySet().iterator(); B) Iterator iterator = hashMap.iterator(); C) Iterator iterator = hashMap.keySet().iterator(); D) Iterator iterator = hashMap.entrySet().iterator(); E) Iterator iterator = hashMap.entrySet().iterator(); Assume that hashMap is an instance of HashMap type collection implementation. Which of the following option gives the correct partial code about getting an Iterator to the HashMap entries?	MCQ	A	B
CoreJava-Co	Carefully read the question and answer accordingly. What is the return type of next() in Iterator?	MCQ	boolean	void
CoreJava-Co	Carefully read the question and answer accordingly. foreach loop is the only option to iterate over a Map	MCQ	TRUE	FALSE
CoreJava-Co	Carefully read the question and answer accordingly. Which of the following are not List implementations? 1.Vector 2.Hashtable 3.LinkedList 4.Properties	MCQ	1&2	1&3

	Carefully read the question and answer accordingly. Consider the following Statements: Statement A: The Iterator interface declares only two methods: hasNextElements and nextElement. Statement B: The ListIterator interface extends both the List and Iterator interfaces. Which of the following option is correct regarding above given statements?	MCQ	Both the Statements A and B are true	Statement A is true and Statement B is false
CoreJava-Co	Carefully read the question and answer accordingly. State TRUE or FALSE. line 1: public class Test { line 2: public static void main(String[] args) { line 3: Queue queue = new LinkedList(); line 4: queue.add("Hello"); line 5: queue.add("World"); line 6: List list = new ArrayList(queue); line 7: System.out.println(list); } line 8: }			
CoreJava-Co	Above code will give run time error at line number 3.	MCQ	TRUE	FALSE
CoreJava-Co	Carefully read the question and answer accordingly. Iterator i= new HashMap().entrySet().iterator(); is this correct declaration	MCQ	TRUE	FALSE
CoreJava-Co	Carefully read the question and answer accordingly. Iterator is having previous() method. State True or False.	MCQ	FALSE	TRUE
CoreJava-Co	Carefully read the question and answer accordingly. List<Integer> newList=new ArrayList<integer>(); will Above statement create a new object of Array list successfully ?	MCQ	TRUE	FALSE
CoreJava-Co	Carefully read the question and answer accordingly. Which collection class allows you to associate its elements with key values	MCA	java.util.Map	java.util.Array List
CoreJava-Co	Carefully read the question and answer accordingly. Under java.util package we have "Collections" as Class and "Collection" as Interface	MCQ	TRUE	FALSE
CoreJava-Co	Carefully read the question and answer accordingly. The add method of Set returns false if you try to add a duplicate element.	MCQ	TRUE	FALSE
CoreJava-Co	Carefully read the question and answer accordingly. Is this true or false. Map interface is derived from the Collection interface.	MCQ	TRUE	FALSE

	Carefully read the question and answer accordingly.			
CoreJava-Co	LinkedList represents a collection that does not allow duplicate elements.	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly.			
	What is the data type of m in the following code?			
	<pre>import java.util.*; public class set1 { public static void main(String [] args) { Set s=new HashSet(); s.add(20); s.add("abc"); for(_____ m:s) System.out.println(m); } }</pre>			
CoreJava-Co		MCQ	int	String
	Carefully read the question and answer accordingly.			
CoreJava-Co	Which of these interface(s) are part of Java's core collection framework?	MCA	List	Set
	Carefully read the question and answer accordingly.			
CoreJava-Co	When comparable interface is used which method should be overridden?	MCQ	comparator	compare
	Carefully read the question and answer accordingly.			
CoreJava-Co	TreeSet uses which two interfaces to sort the data	MCA	Serializable	SortTable
	Carefully read the question and answer accordingly.		The elements in the collection are accessed using a non-unique key.	The elements in the collection are guaranteed to be unique
CoreJava-Co	Which statement are true for the class HashSet?	MCA		
	Carefully read the question and answer accordingly.			
CoreJava-Co	Enumeration is having remove() method. State True or False.	MCQ	FALSE	TRUE

	<p>Carefully read the question and answer accordingly.</p> <p>Consider the following code:</p> <pre> 01 import java.util.Set; 02 import java.util.TreeSet; 03 04 class TestSet { 05 public static void main(String[] args) { 06 Set set = new TreeSet<String>(); 07 set.add("Green World"); 08 set.add(1); 09 set.add("Green Peace"); 10 System.out.println(set); 11 } 12 }</pre> <p>Which of the following option gives the output for the above code?</p>			
CoreJava-Co		MCQ	Prints the output [Green World, 1, Green Peace] at line no 9	Compilation error at line no 8
	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre> public class collection1{ public static void main(String[]args){ Collection c=new ArrayList(); c.add(10); c.add("abc"); Collection l=new HashSet(); l.add(20); l.add("abc"); l.add(30); c.addAll(l); c.removeAll(l); System.out.println(c); } }</pre>			
CoreJava-Co		MCQ	[10,abc]	[10]
	<p>Carefully read the question and answer accordingly.</p> <p>Which of these are interfaces in the collection framework</p>	MCA	Hash Map	Array List
	<p>Carefully read the question and answer accordingly.</p> <p>Which of the following are true statements?</p>	MCA	The Iterator interface declares only three methods: hasNext, next and remove.	The ListIterator interface extends both the List and Iterator interfaces
	<p>Carefully read the question and answer accordingly.</p> <p>which are the Basic features of implementations of interfaces in Collections Framework in java?</p>	MCA	All implementations are unsynchronized	All implementations support having null elements.

	Carefully read the question and answer accordingly. Which of the following are synchronized? 1.Hashtable 2.Hashmap 3.Vector 4.ArrayList			
CoreJava-Co		MCQ	1&2	1&3
	Carefully read the question and answer accordingly. What will be the output for following code? import java.util.*; public class StringTokens { public static void main(String[]args) { String s="India is a\n developing country"; StringTokenizer o=new StringTokenizer(s); System.out.println(o.countTokens()); } }			
CoreJava-Str		MCQ	4	5
	Carefully read the question and answer accordingly. State whether TRUE or FALSE. StringBuilder is not thread-safe unlike StringBuffer			
CoreJava-Str		MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. What will be the output for following code? public class StringCompare{ public static void main(String[]args){ if("string"=="string") System.out.println("both strings are equal"); else System.out.println("both strings are not equal"); } }			
CoreJava-Str		MCQ	both strings are equal	both strings are not equal
	Carefully read the question and answer accordingly. endsWith() member methods of String class creates new String object. State True or False			
CoreJava-Str		MCQ	TRUE	FALSE

CoreJava-Str	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre> public class CompareStrings{ public static void main(String[]args){ String a=new String("string"); String s=new String("string"); if(a==s) System.out.println("both strings are equal"); else System.out.println("both strings are not equal"); } } </pre>	MCQ	both strings are equal	both strings are not equal
CoreJava-Str	<p>Carefully read the question and answer accordingly.</p> <p>State whether TRUE or FALSE.</p> <p>String s = new String(); is valid statement in java</p>	MCQ	TRUE	FALSE
CoreJava-Str	<p>Carefully read the question and answer accordingly.</p> <p>What is the output of below code:</p> <pre> package p1; public class Hackathon { public static void main(String[] args) { String x = "Java"; x.concat(" Rules!"); System.out.println("x = " + x); } } </pre>	MCQ	x = Java Rules	x = Java
CoreJava-Str	<p>Carefully read the question and answer accordingly.</p> <p>State whether TRUE or FALSE.</p> <p>StringTokenizer implements the Enumeration interface</p>	MCQ	TRUE	FALSE
CoreJava-Str	<p>Carefully read the question and answer accordingly.</p> <p>State whether TRUE or FALSE.</p> <p>The APIS of StringBuffer are synchronized unlike that of StringBuilder</p>	MCQ	TRUE	FALSE
CoreJava-Str	<p>Carefully read the question and answer accordingly.</p> <p>What is the output of below code:</p> <pre> package p1; public class Hackathon { public static void main(String[] args) { String x = "Java"; x.toUpperCase(); System.out.println("x = " + x); } } </pre>	MCQ	x = JAVA	x=""

CoreJava-Str	<p>Carefully read the question and answer accordingly.</p> <p>Consider the following code snippet:</p> <pre>String thought = "Green"; StringBuffer bufferedThought = new StringBuffer(thought); String secondThought = bufferedThought.toString(); System.out.println(thought == secondThought);</pre> <p>Which of the following option gives the output of the above code snippet?</p>	MCQ	TRUE	FALSE
CoreJava-Str	<p>Carefully read the question and answer accordingly.</p> <p>Choose the correct option.</p> <p>Statement I: StringBuilder offers faster performance than StringBuffer</p> <p>Statement II: All the methods available on StringBuffer are also available on StringBuilder</p>	MCQ	Statement I & II are TRUE	Statement I is TRUE & II is FALSE
CoreJava-Str	<p>Carefully read the question and answer accordingly.</p> <p>String class contains API used for</p>	MCQ	Comparing strings	Searching strings
CoreJava-Str	<p>Carefully read the question and answer accordingly.</p> <p>Choose the correct option.</p> <p>Statement I: StringBuffer is efficient than "+" concatenation</p> <p>Statement II: Using API's in StringBuffer the content and length of String can be changed which intern creates new object.</p>	MCQ	Statement I & II are TRUE	Statement I is TRUE & II is FALSE
CoreJava-Str	<p>Carefully read the question and answer accordingly.</p> <p>State whether TRUE or FALSE.</p> <p>String class do not provides a method which is used to compare two strings lexicographically.</p>	MCQ	TRUE	FALSE
CoreJava-Str	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre>public class CompareStrings{ public static void main(String[]args){ if(" string ".trim()=="string") System.out.println("both strings are equal"); else System.out.println("both strings are not equal"); } }</pre>	MCQ	both strings are equal	both strings are not equal

<p>Carefully read the question and answer accordingly. What will be the output for following code?</p> <pre>public class StringBuffer1 { public static void main(String[]args) { StringBuffer s1=new StringBuffer("welcome"); StringBuffer s2=new StringBuffer("welcome"); System.out.println(s1.equals(s2)); System.out.println(s1.equals(s1)); } }</pre>			
CoreJava-Str	MCQ	true false	false true
<p>Carefully read the question and answer accordingly. What will be the output for following code?</p> <pre>import java.io.*; public class Exception1 { public static void main(String[]args) { System.out.println("A"); try { } catch(IOException t) { System.out.println("B"); } System.out.println("C"); } }</pre>			
CoreJava-Exi	MCQ	Compile time error	A

Carefully read the question and answer accordingly.

What will be the output of the program?

```
public class Test {
    public static void aMethod() throws Exception {
        try {
            throw new Exception();
        } finally {
            System.out.print("finally");
        }
    }
    public static void main(String args[]) {
        try {
            aMethod();
        } catch (Exception e) {
            System.out.print("exception ");
        }
        System.out.print("finished"); /* Line 24 */
    }
}
```

CoreJava-Ex1

MCQ

exception
finished

Compilation
fails

Carefully read the question and answer accordingly.

At Point X in below code, which code is necessary to make the code compile?

```
public class Test
{
    class TestException extends Exception {}
    public void runTest() throws TestException {}
    public void test() /* Point X */
    {
        runTest();
    }
}
```

CoreJava-Ex1

MCQ

throws
RuntimeException catch (Exception e)

Carefully read the question and answer accordingly.

If you put a finally block after a try and its associated catch blocks, then once execution enters the try block, the code in that finally block will definitely be executed except in some circumstances. select the correct circumstance

CoreJava-Ex1 from given options:

MCA

An exception arising in the finally block itself The use of System.exit()

Carefully read the question and answer accordingly.
What will be the output of the below code?

```
public class Test {
    public static void main(String[] args) {
        int a = 5, b = 0, c = 0;
        String s = new String();
        try {
            System.out.print("hello ");
            System.out.print(s.charAt(0));
            c = a / b;
        } catch (ArithmeticException ae) {
            System.out.print(" Math problem occur");
        } catch (StringIndexOutOfBoundsException se) {
            System.out.print(" string problem occur");
        } catch (Exception e) {
            System.out.print(" problem occurs");
        } finally {
            System.out.print(" stopped");
        }
    }
}
```

CoreJava-Ex1

MCQ

hello 0
stopped

hello 0 Math
problem occur
stopped

Carefully read the question and answer accordingly.
Within try block if System.exit(0) is called then also finally block is going to be executed.

CoreJava-Ex1

State True or False.

MCQ

FALSE

TRUE

Carefully read the question and answer accordingly.
Which of the following are checked exceptions?
1.ClassNotFoundException
2.InterruptedException
3.NullPointerException
4.ArrayIndexOutOfBoundsException

CoreJava-Ex1

Carefully read the question and answer accordingly.
which of these are the subclass of Exception

MCQ

1&2

1&3

CoreJava-Ex1

class

MCA

IOException

Throwable

Carefully read the question and answer accordingly.

CoreJava-Ex1

what are true for RuntimeException

MCA

Runtime
exceptions
need not be
explicitly
caught in try
catch block as
it can occur
anywhere in a
program.

Runtime
exceptions
include
arithmetic
exceptions,
pointer
exceptions

<p>Carefully read the question and answer accordingly. What will be the output of following code?</p> <pre> try { System.out.println("Executing try"); } System.out.println("After try"); catch (Exception ex) { System.out.println("Executing catch"); } </pre>		Executing try After try Executing catch	Executing try Runtime Exception
CoreJava-Ex	MCQ		
<p>Carefully read the question and answer accordingly. Consider the following code:</p> <pre> class MyException extends Throwable { } public class TestThrowable { public static void main(String args[]) { try { test(); } catch(Throwable ie) { System.out.println("Exception"); } } static void test() throws Throwable { throw new MyException(); } } </pre>			
<p>Which of the following option gives the output for the above code?</p>		Prints Exception	Compiler time error User defined exceptions should extend Exception Array Index Out Of Bounds Exception
CoreJava-Ex	MCQ		
<p>Carefully read the question and answer accordingly. which are the Unchecked exceptions</p>		Class Cast Exception	
<p>Carefully read the question and answer accordingly. What will be the output for following code?</p> <pre> public class Exception1 { public static void main(String[]args) { System.out.println("A"); try { System.exit(0); }catch(Exception e) { System.out.println("B"); } System.out.println("C"); } } </pre>			
CoreJava-Ex	MCQ	A,C	A

	Carefully read the question and answer accordingly.	
CoreJava-Ex1	Which is/are true among given statements Carefully read the question and answer accordingly. What will be the output for following code? public class Exe3 { public static void main(String[]args) { try { int i=10; int j=i/0; return; }catch(Exception e) { System.out.println("welcome"); } System.out.println("error"); } }	MCA
CoreJava-Ex2	1.welcome 2.error 3.compilation error	MCQ

	NoClassDefFoundError means that the class was found by the ClassLoader however when trying to load the class, it ran into an error reading the class definition.
A ClassNotFoundException is thrown when the reported class is not found by the ClassLoader in the CLASSPATH.	
1&2	1&2&3

	Carefully read the question and answer accordingly.	
CoreJava-Ex3	which are true for try block	MCA

Try block always needed a catch block followed	if exception occurs, control switches to following first Catch block
--	--

Carefully read the question and answer accordingly.

What will be the output of following code?

```
public class Exception1{
    public static void main(String args[]) {
        int i=1, j=1;
        try {
            i++;
            j--;
            if(i/j > 1)
                i++;
        } catch(ArithmeticException e) {
            System.out.println(0);
        } catch(ArrayIndexOutOfBoundsException e) {
            System.out.println(1);
        } catch(Exception e) {
            System.out.println(2);
        }
        finally {
            System.out.println(3);
        }
        System.out.println(4);
    }
}
```

1.0

2.1

3.3

CoreJava-Ex 4.4.

MCQ

1&2

1&2&3

Carefully read the question and answer accordingly.

Consider the following code:

```
1 public class FinallyCatch {
2     public static void main(String args[]) {
3         try {
4             throw new java.io.IOException();
5         }
6     }
7 }
```

Which of the following is true regarding the above code?

CoreJava-Ex

MCQ

Carefully read the question and answer accordingly.

Which of the following exception is not mandatory to be handled in code?

CoreJava-Ex

MCQ

Shows
unhandled
exception type
IOException
at line number
4

Shows
unhandled
exception type
IOException
at line number
5

IOException

FileNotFoundException
Exception

Carefully read the question and answer accordingly.
What will be the output for following code?

```
public class Exception1{
    public static void main(String args[]) {
        int i=1, j=1;
        try {
            i++;
            j--;
            if(i/j > 1)
                i++;
        } catch(Exception e) {
            System.out.println(2);
        } catch(ArithmeticException e) {
            System.out.println(0);
        }
        finally {
            System.out.println(3);
        }
    }
}
```

CoreJava-Ex

MCQ

2

Carefully read the question and answer accordingly.

CoreJava-Ex select true or false . Statement : Throwable is the super class of all exceptional type classes.

MCQ

TRUE

FALSE

Carefully read the question and answer accordingly.

CoreJava-Ex try and throws keywords are used to manually throw an exception?

MCQ

TRUE

FALSE

Carefully read the question and answer accordingly.

CoreJava-Ex RuntimeException is the superclass of those exceptions that can be thrown during the normal operation of the Java Virtual Machine.

MCQ

TRUE

FALSE

Carefully read the question and answer accordingly.

Which of the following statement is true regarding implementing user defined exception mechanisms?

Statement A: It is valid to derive a class from java.lang.Exception

Statement B: It is valid to derive a class from java.lang.RuntimeException

CoreJava-Ex

MCQ

Both Statements A and B are true

Statement A is true and Statement B is false

Carefully read the question and answer accordingly.

CoreJava-Ex Which of the following statement is true regarding try-catch-finally?

MCQ

An exception which is not handled by a catch block will be handled by subsequent catch blocks

A catch block can have another try block nested inside

CoreJava-Ex	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre> public class Exe3 { public static void main(String[]args){ try{ int i=10; int j=i/0; return; }catch(Exception e){ try{ System.out.println("welcome"); return; }catch(Exception e1){ } System.out.println("error"); } } }</pre>	MCQ	welcome	error
CoreJava-Ex	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre> class super5{ void Get()throws Exception{ System.out.println("IOException"); } } public class Exception2 extends super5{ public static void main(String[]args){ super5 o=new super5(); try{ o.Get(); }catch(IOException e){ } } }</pre>	MCQ	IOException	compilation error
CoreJava-I/O	<p>Carefully read the question and answer accordingly.</p> <p>Serialization is representing object in a sequence of bytes. State True or False.</p>	MCQ	TRUE	FALSE
CoreJava-I/O	<p>Carefully read the question and answer accordingly.</p> <p>Serialization is JVM independent.State True or False.</p>	MCQ	TRUE	FALSE
CoreJava-I/O	<p>Carefully read the question and answer accordingly.</p> <p>Statement 1:static variables can be serialized Statement2:transient variables cannot be serialized</p> <p>which of the following is true?</p>	MCQ	statement 1:true statement2:tru e	statement 1:false statement2:tru e

				setting up BufferedOutput tStreaman , an application can write bytes to the underlying output stream without necessarily causing a call
	Carefully read the question and answer accordingly. select the correct statements about		BufferedOutput tStream class is a member of Java.io package	to the underlying system for each byte written.
CoreJava-I/O	BufferedOutputStream class Carefully read the question and answer accordingly.	MCA		
CoreJava-I/O	DataInputStream is not necessarily safe for multithreaded access. Carefully read the question and answer accordingly.	MCQ	TRUE	FALSE
CoreJava-I/O	Which of the following is a marker interface used for object serialization? Carefully read the question and answer accordingly.	MCQ	Runnable	Serializable
CoreJava-I/O	InputStream is the class used for stream of characters. State True or False. Carefully read the question and answer accordingly.	MCQ	FALSE	TRUE
CoreJava-I/O	BufferedWriter constructor CAN ACCEPT Filewriter Object as a parameter. State True or False. Carefully read the question and answer accordingly.	MCQ	TRUE	FALSE
CoreJava-I/O	Which of these class are the member class of java.io package? Carefully read the question and answer accordingly.	MCA	ObjectInput	StringReader
CoreJava-I/O	Which of these interface is not a member of java.io package? Carefully read the question and answer accordingly.	MCQ	DataInput	ObjectInput
CoreJava-I/O	Which of the following are abstract classes? 1.Reader 2.InputStreamReader 3.InputStream 4.OutputStream Carefully read the question and answer accordingly.	MCQ	1&2	1&2&3
CoreJava-I/O	An ObjectInputStream deserializes objects previously written using an ObjectOutputStream. State True or False.	MCQ	TRUE	FALSE

	Carefully read the question and answer accordingly. The InputStream.close() method closes this			
CoreJava-I/O	stream and releases all system resources	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. State TRUE or FALSE. getParent() gives the parent directory of the file and isFile() Tests whether the file denoted by			
CoreJava-I/O	the given abstract pathname is a normal file.	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. InputStreamReader is sub class of			
CoreJava-I/O	FilterReader.	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. isFile() returns true if called on a file or when			
CoreJava-I/O	called on a directory	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. What is the output of this program?			
	1. import java.io.*; 2. class files { 3. public static void main(String args[]) { 4. File obj = new File("/java/system"); 5. System.out.print(obj.getName()); 6. } 7. }			
CoreJava-I/O		MCQ	java/system	/java/system
	Carefully read the question and answer accordingly. Which of these class are related to input and			
CoreJava-I/O	output stream in terms of functioning?	MCA	File	Writer
	Carefully read the question and answer accordingly. The _____ statement is used inside the switch			
CoreJava-Co	to terminate a Statement sequence	MCQ	break	Jump
	Carefully read the question and answer accordingly. The result of 10.987+"30.765" is			
CoreJava-Co	_____.	MCQ	10.98730.765	10.9873.765
	Carefully read the question and answer accordingly. Data can be passed to the function _____			
CoreJava-Co		MCQ	by value	by reference
	Carefully read the question and answer accordingly. _____ is a multi way branch			
CoreJava-Co	statement	MCQ	switch	continue
	Carefully read the question and answer accordingly. Which of the following is a loop construct that			
CoreJava-Co	will always be executed once?	MCQ	switch	for

CoreJava-Co	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre> public class While { static int i; public static void main(String[]args){ System.out.println(i); while(i<=5){ i++; } System.out.println(i); } } </pre>	MCQ	<p>compilation error</p>	0,6
CoreJava-Co	<p>Carefully read the question and answer accordingly.</p> <p>What is the number of bytes used by Java primitive long</p>	MCQ	<p>The number of bytes is compiler dependent</p>	2
CoreJava-Co	<p>Carefully read the question and answer accordingly.</p> <p>We can use Wrapper objects of type int, short, char in switch case.</p>	MCQ	TRUE	FALSE
CoreJava-Co	<p>Carefully read the question and answer accordingly.</p> <p>What happens when the following code is compiled and run. Select the one correct answer.</p> <pre> for(int i = 1; i < 3; i++) for(int j = 3; j >= 1; j--) assert i!=j : i; </pre>	MCQ	<p>The class compiles and runs, but does not print anything.</p>	<p>The number 1 gets printed with AssertionError</p>
CoreJava-Co	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre> public class WrapperClass12 { public static void main(String[]args) { Boolean b=true; boolean a=Boolean.parseBoolean("tTRUE"); System.out.println(b==a); } } </pre>	MCQ	True	False
CoreJava-Co	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre> public class WrapperClass1 { public static void main(String[]args){ String s="10Bangalore"; int i=Integer.parseInt(s); System.out.println(i); } } </pre>	MCQ	10Bangalore	10

CoreJava-Co	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre> public class While { public static void main(String[]args){ int a='A'; int i=a+32; while(a<='Z'){ a++; } System.out.println(i); System.out.println(a); } } </pre>	MCQ	A,Z	a,z
CoreJava-Co	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre> public class WrapperClass1 { public static void main(String[]args){ Integer i=new Integer(10); Integer j=new Integer(10); System.out.println(i==j); } } </pre>	MCQ	True	False
CoreJava-Co	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre> public class Wrapper2 { public static void main(String[]args){ Byte b=1; Byte a=2; System.out.println(a+b); } } </pre>	MCQ	compiles and print 3	compilation error
CoreJava-Co	<p>Carefully read the question and answer accordingly.</p> <p>What will be the output for following code?</p> <pre> public class Wrapper11 { public static void main(String[]args) { Long l=100; System.out.println(l); } } </pre>	MCQ	100	Compilation error

CoreJava-Co	<p>Carefully read the question and answer accordingly. What will be the output of below code?</p> <pre> public class Test { public static void main(String[] args) { int i = 1; Integer I = new Integer(i); method(i); method(I); } static void method(Integer I) { System.out.print(" Wrapper"); } static void method(int i) { System.out.print(" Primitive"); } } </pre>	MCQ	Primitive Wrapper	Wrapper
CoreJava-Co	<p>Carefully read the question and answer accordingly. What is the value of variable "I" after execution of following code?</p> <pre> public class Evaluate { public static void main(String[]args) { int i=10; if(((i++)>12)&&(++i<15)) System.out.println(i); else System.out.println(i); } } </pre>	MCQ	10	11
CoreJava-Co	<p>Carefully read the question and answer accordingly. Each case in switch statement should end with _____ statement</p>	MCQ	default	break
CoreJava-JD	<p>Carefully read the question and answer accordingly. Type 1 & Type 3 driver types are not vendor specific implementation of Java driver. State True or False</p>	MCQ	TRUE	FALSE
CoreJava-JD	<p>Carefully read the question and answer accordingly. The JDBC-ODBC Bridge driver translates the JDBC API to the ODBC API and used with which of the following:</p>	MCQ	JDBC drivers	ODBC drivers
CoreJava-JD	<p>Carefully read the question and answer accordingly. A Java program cannot directly communicate with an ODBC driver because of which of the following:</p>	MCQ	ODBC written in C language	ODBC written in Java language

<p>Carefully read the question and answer accordingly.</p> <p>Which statements about JDBC are true?</p> <p>1.JDBC has 5 types of Drivers</p> <p>2.JDBC stands for Java DataBase Connectivity</p> <p>3.JDBC is an API to access relational databases, spreadsheets and flat files</p> <p>4.JDBC is an API to bridge the object-relational mismatch between OO programs and relational databases</p>		MCQ	1&2	3&4
CoreJava-JD				
<p>Carefully read the question and answer accordingly.</p> <p>Which type of driver converts JDBC calls into the network protocol used by the database management system directly?</p>		MCQ	Type 1 driver	Type 2 driver
CoreJava-JD				
<p>Carefully read the question and answer accordingly.</p> <p>Which type of Statement can execute parameterized queries?</p>		MCQ	PreparedStatement	Parameterized Statement
CoreJava-JD				
<p>Carefully read the question and answer accordingly.</p> <p>Connection object can be initialized using which method of the Driver Manager class?</p>		MCQ	putConnection()	setConnection()
CoreJava-JD				
<p>Carefully read the question and answer accordingly.</p> <p>Which of the following is true with respect to code given below?</p> <pre>import java.sql.*; public class OracleDemo { public static void main(String [] args) throws SQLException,ClassNotFoundException { Class.forName("oracle.jdbc.driver.OracleDriver"); Connection con=DriverManager.getConnection("jdbc:oracle:thin:@PC188681:1521:training","scott","tiger"); Statement stmt=con.createStatement(); ResultSet rs=stmt.executeQuery("SELECT * FROM Person"); while(rs.next()) { System.out.println(rs.getString("column1")); } } }</pre>		MCQ	The code will not compile as no try catch block specified	The code will display all values in column named column1
CoreJava-JD				

	Carefully read the question and answer accordingly. If your JDBC Connection is in auto-commit mode, which it is by default, then every SQL statement is committed to the database upon its completion. State True or False.	MCQ	TRUE	FALSE
CoreJava-JD	Carefully read the question and answer accordingly. How can you execute a stored procedure in the database?	MCQ	Call method execute() on a CallableStatement object	Call method executeProcedure() on a Statement object
CoreJava-JD	Carefully read the question and answer accordingly. Consider the following statements: Statement A: The PreparedStatement object enables you to execute parameterized queries. Statement B: The SQL query can use the placeholders which are replaced by the INPUT parameters at runtime. Which of the following option is True with respect to the above statements?	MCQ	Both Statement A and Statement B are True.	Statement A is True and Statement B is False.
CoreJava-JD	Carefully read the question and answer accordingly. You are using JDBC-ODBC bridge driver to establish a connection with a database. You have created a DSN Mydsn. Which statement will you use to connect to the database?	MCQ	Connection cn=DriverManager.getConnection("jdbc:odbc:Mydsn", "username", "password");	Connection cn=DriverManager.getConnection("jdbc:odbc:Mydsn", "username", "password");
CoreJava-JD	Carefully read the question and answer accordingly. Which of the following listed option gives the valid type of object to store a date and time combination using JDBC API?	MCQ	java.util.Date	java.sql.Date
CoreJava-JD	Carefully read the question and answer accordingly. Which method executes an SQL statement that may return multiple results?	MCQ	executeUpdate()	executeQuery()
CoreJava-JD	Carefully read the question and answer accordingly. Which package contains classes that help in connecting to a database, sending SQL statements to the database, and processing the query results	MCQ	connection.sql	db.sql
CoreJava-JD	Carefully read the question and answer accordingly. Which method sets the query parameters of the PreparedStatement Object?	MCQ	putString()	insertString()

	Carefully read the question and answer accordingly.		DDL statements are treated as normal SQL statements, and are executed by calling the execute() method on a Statement (or a sub interface thereof) object	To execute DDL statements, you have to install additional support files
CoreJava-JD	What is correct about DDL statements? Carefully read the question and answer accordingly.	MCQ		
CoreJava-JD	What is the state of the parameters of the PreparedStatement object when the user clicks on the Query button? Carefully read the question and answer accordingly.	MCQ	initialized	started
CoreJava-JD	executeUpdate() & execute() are valid methods that can be used for executing DDL statements. State True or False Carefully read the question and answer accordingly.	MCQ	TRUE	FALSE
CoreJava-JD	Which object provides you with methods to access data from the table? Carefully read the question and answer accordingly.	MCQ	ResultSet	Parametrized
CoreJava-JD	The method Class.forName() is a part of JDBC API. State True or False. Carefully read the question and answer accordingly.	MCQ	TRUE	FALSE
CoreJava-JD	Which object allows you to execute parametrized queries? Carefully read the question and answer accordingly.	MCQ	ResultSet	Parametrized
CoreJava-JD	Which method executes a simple query and returns a single Result Set object? Carefully read the question and answer accordingly.	MCQ	executeUpdate()	executeQuery()
CoreJava-JD	Which packages contain the JDBC classes? Carefully read the question and answer accordingly.	MCQ	java.jdbc and javax.jdbc	java.jdbc and java.jdbc.sql
Oracle-SQL	Which query will help you to achieve your goal? You are writing a query to select all employees whose salary is less than the average of all the employees' salaries in the same department. Carefully read the question and answer accordingly.	MCQ	select ename ,sal ,deptno from emp a where a.sal < (select avg(sal) from emp b where a.deptno = b.deptno) order by deptno;	select ename ,sal ,deptno from emp a where a.sal > (select avg(sal) from emp b where a.deptno = b.deptno) order by deptno;

	Carefully read the question and answer accordingly. With SQL, how can you find the range for the price between 2000 and 8000 in item table? 1.Select * from item where price between 2000 and 8000. 2.Select * from item where price >=2000 and price <=8000. 3.Select * from item where price <>2000 and price !=8000. 4.Select * from item where price >2000 and price <8000.	MCQ	1&2	3&4
Oracle-SQL	Carefully read the question and answer accordingly. Examine the table structure of Employee Ename Ecode Dept John 1 Sal Smith 3 Mar Max 2 Sal Joe 4 Mar Laura 5 Dep What will be the output of below query ? select decode(Ecode,5,'Department',4,'Marketing',3,'Marketing','Sales') as result from Employee;	MCQ	Query contains error	Sales Marketing Sales Marketing Department
Oracle-SQL	Carefully read the question and answer accordingly. What will be the output of the query? Select trim(0 from '00003443500') from dual;	MCQ	Query contains error	34435
Oracle-SQL	Carefully read the question and answer accordingly. What will be the output of the below query? select to_CHAR(sysdate+(10/1400),'HH:MI:SS') from dual;	MCQ	adds 10 seconds to the current Timestamp	adds 10 minutes to the current Timestamp
Oracle-SQL	Carefully read the question and answer accordingly. Which of the following integrity rules of SQL states that if a relational table has a foreign key, then every value of the foreign key must either be null or match the values in the relational table in which that foreign key is a primary key?	MCQ	Referential Integrity	Domain Integrity
Oracle-SQL	Carefully read the question and answer accordingly. What will be the result of the following code? SELECT (2+3*4/2-5) FROM dual;	MCQ	3	2
Oracle-SQL	Carefully read the question and answer accordingly. What will be the output of the below query? select instr('My SQL World','a') from dual;	MCQ	Query contains error	Prints 0

	Carefully read the question and answer accordingly. What will be the output of the below query? SELECT * FROM suppliers WHERE supplier_name LIKE '!%' escape '!';	MCQ	Query will generate an error	All supplier record will be displayed
Oracle-SQL	Carefully read the question and answer accordingly. Statement A:Listener process scans for connection requests to an Oracle Instance Statement B:Listener process links up a dispatcher process to user process.			
Oracle-Query	which of the following is true? Carefully read the question and answer accordingly. What will be the output of the below query? select Stud_name from (select rank() over(order by Marks desc) as rank ,Stud_name from StudentDetails order by Stud_name --LINE 1) where rank > 3	MCQ	Both Statements A and B are true	Statement A is true and Statement B is false
Oracle-Query		MCQ	Top 2 student record with highest marks will be displayed	Top 2 student record with lowest marks will be displayed
Oracle-Query	Carefully read the question and answer accordingly. Which of the following statement is True with respect to Query Flash Back?	MCQ	For using flashback query, the server need not be configured to use Automatic Undo Management. Create sequence MySeq Start with 2 Increment by 1	Flashback Query needs to be enabled and disabled using the DBMS_FLASHBACK package. Create sequence MySeq (Start with 2 Increment by 1)
Oracle-Query	Carefully read the question and answer accordingly. Identify the correct syntax to create a sequence which generates values as 2,4,6,8,10? Carefully read the question and answer accordingly. A dropped table can be restored by issuing this command. FLASHBACK TABLE Supplier TO BEFORE DROP;	MCQ		
Oracle-Query	State True or False.	MCQ	TRUE	FALSE
Oracle-Query	Carefully read the question and answer accordingly. Evaluate the CREATE TABLE statement: CREATE TABLE products (product_id NUMBER(6) CONSTRAINT prod_id_pk PRIMARY KEY, product_name VARCHAR2(15)); Which statement is true regarding the PROD_ID_PK constraint?	MCQ	It would be created only if a unique index is manually created first.	It would be created and would use an automatically created unique index.

<p>Carefully read the question and answer accordingly.</p> <p>Evaluate the following SQL statements that are issued in the given order:</p> <pre>CREATE TABLE emp (emp_no NUMBER(2) CONSTRAINT emp_emp_no_pk PRIMARY KEY, ename VARCHAR2(15), salary NUMBER(8,2), mgr_no NUMBER(2) CONSTRAINT emp_mgr_fk REFERENCES emp); ALTER TABLE emp DISABLE CONSTRAINT emp_emp_no_pk CASCADE; ALTER TABLE emp ENABLE CONSTRAINT emp_emp_no_pk;</pre> <p>What would be the status of the foreign key EMP_MGR_FK?</p>		MCQ	It would be automatically enabled and deferred.	It would be automatically enabled and immediate.
Oracle-Query	<p>Carefully read the question and answer accordingly.</p> <p>Program Global Area (PGA) contain Data and control information for a Server process? State True or False.</p>	MCQ	TRUE	FALSE
Oracle-Query	<p>Carefully read the question and answer accordingly.</p> <p>Which of the following gives the order of Database administrative steps needed to open an Oracle Database?</p>	MCQ	Start an instance, Open the Database, Mount the database	Mount the database, Start the instance, Open the database
Oracle-Query	<p>Carefully read the question and answer accordingly.</p> <p>When Oracle starts an instance, it reads the server parameter file called _____.</p>	MCQ	SYSOPER FILE	SPFILE
Oracle-Query	<p>Carefully read the question and answer accordingly.</p> <p>The user SCOTT who is the owner of ORDERS and SUPPLIERS tables issues the following GRANT command:</p> <pre>GRANT ALL ON orders, Suppliers TO PUBLIC;</pre> <p>What correction needs to be done to the above statement?</p>	MCQ	PUBLIC should be replaced with specific usernames.	ALL should be replaced with a list of specific privileges.
Oracle-Query	<p>Carefully read the question and answer accordingly.</p> <p>Which of the following is used to store the most recently executed SQL statements and the most recently used data definitions?</p>	MCQ	Data Pool	Data Dictionary Cache

Oracle-Query	Carefully read the question and answer accordingly. Identify the circumstance under which you will create an Index?	MCQ	A column contains a wide range of values.	A column contains large number of null values.
Oracle-Query	Carefully read the question and answer accordingly. You are using the system account to create a synonym as follows: Create synonym User for UserDetails Which statements are true with respect to the above synonym?	MCQ	A synonym with the name UserDetails is created and only system can access it	A synonym with the name UserDetails is created and any user can access it
Oracle-Query	Carefully read the question and answer accordingly. Oracle instance comprises of background processes and memory structure. State True or False.	MCQ	TRUE	FALSE
Oracle-Query	Carefully read the question and answer accordingly. In Oracle10g database, control files contain information that describes the names, locations, and sizes of the database files. State true or False.	MCQ	TRUE	FALSE
Oracle-Query	Carefully read the question and answer accordingly. How to drop all tables from recycle bin?	MCQ	PURGE DBA_RECYCLEBIN	PURGE RECYCLEBIN
Oracle-Query	Carefully read the question and answer accordingly. Which of the following parameter in Query Flashback clearly defines the maximum time period that the database can be flashbacked?	MCQ	UNDO_MANAGEMENT	UNDO_TABLESPACE
Oracle-Query	Carefully read the question and answer accordingly. When a database is created the users SYS and SYSTEM are created automatically and granted the DBA role. State True or False.	MCQ	TRUE	FALSE
Oracle-Query	Carefully read the question and answer accordingly. Identify the below statement: STATEMENT A : In Oracle 10g the default action of a DROP TABLE command is to move the table to the recycle bin (or rename it), rather than actually dropping it. STATEMENT B: PURGE option can be used to permanently drop a table.	MCQ	Both statement A and B are True.	Statement A is true and B is False.

	Carefully read the question and answer accordingly. SELECT e.EMPLOYEE_ID,e.LAST_NAME,e.DEPARTMENT_ID, d.DEPARTMENT_NAME FROM EMP e, DEPARTMENT d WHERE e.DEPARTMENT_ID = d.DEPARTMENT_ID;		
Oracle-Joins	In the statement, which capabilities of a SELECT statement are performed?	MCQ	Selection, Projection, Join Difference, Projection, Join
Oracle-Joins	Carefully read the question and answer accordingly. What is true about joining tables through an equijoin?	MCQ	You can join a maximum of two tables through an equijoin. You can join a maximum of two columns through an equijoin.
Oracle-Joins	Carefully read the question and answer accordingly. John wants to see how many employees are there whose salary is above average. Which of the following query will help john to achieve this task?	MCQ	Select count(*) from emp where sal > (select max(sal) from emp); Select count(*) from emp where sal > (select Avg(sal) from emp);
Oracle-Joins	Carefully read the question and answer accordingly. John wants to retrieve all the employee details whose Employee Number matches to any of the Department Number. Help john to achieve his task	MCQ	select empName , empNo from emp where empno = (select deptNo from dept) select empName , empNo from emp where empno exists (select deptNo from dept)
Oracle-Joins	Carefully read the question and answer accordingly. An outer join returns all rows that satisfy the join condition and those rows from one table for which no rows from the other satisfy the join condition. State True or False.	MCQ	TRUE FALSE
Oracle-Joins	Carefully read the question and answer accordingly. Which of the Following Statements are true? Statement A : Join permanently joins two tables having 1 or more common attributes Statement B: Inner Joins are also called as EQUI Joins	MCQ	Statement A is true and B is false. Statement A is false and B is true.

Oracle-Joins	<p>Carefully read the question and answer accordingly.</p> <p>In which case should you use a FULL OUTER JOIN?</p>	MCQ	Both tables have NULL values.	You want all unmatched data from one table.
Oracle-Joins	<p>Carefully read the question and answer accordingly.</p> <p>Identify the type of join used in the below query SELECT empName,DeptNo,DeptName FROM Emp, Dept WHERE Emp.DeptId >Dept.DeptId</p> <p>Carefully read the question and answer accordingly.</p> <p>Which of the following statements are true ? Statement A: The ANY operator compares the main query with any of the values returned by the inner query. Statement B: The ALL operator compares a value to every value return by the sub query.</p>	MCQ	Equi Join	Natural Join
Oracle-Joins	<p>Carefully read the question and answer accordingly.</p> <p>Which of the following is the correct syntax for left outer join ?</p> <p>1.select Stud_Name , clg_Name from student s left outer join college c on s.clg_code = c.clg_code 2.select Stud_name , clg_Name from studentDemo s ,collegeDemo c where s.clg_code = c.clg_code(+) 3.select Stud_name , clg_Name from studentDemo s ,collegeDemo c where s.clg_code(+) = c.clg_code 4.select Stud_Name , clg_Name from student s outer join left college c on s.clg_code = c.clg_code 5.select Stud_Name , clg_Name from student s left outer join college c where s.clg_code = c.clg_code</p>	MCQ	Statement A is true and B is false.	Statement A is false and B is true.
Oracle-Joins	<p>Carefully read the question and answer accordingly.</p> <p>Which two statements are true regarding the USING clause in table joins?</p> <p>1. It can be used to join a maximum of three tables. 2. It can be used to restrict the number of columns used in a NATURAL join. 3. It can be used to access data from tables through equijoins as well as nonequijoins. 4. It can be used to join tables that have columns with the same name and compatible data types.</p>	MCQ	1&2	1&5
Oracle-Joins		MCQ	1&2	3&4

Carefully read the question and answer accordingly.

What's the result of the following concatenation

Oracle-Fund: 'apple' || NULL || NULL || 'sauce' MCQ

apple sauce NULL

Carefully read the question and answer accordingly.

Oracle-Fund: Which statements are true about IN parameter? MCA

IN Parameter is the default parameter. IN Parameter value should be passed to the procedure for processing.

Carefully read the question and answer accordingly.

Oracle-Fund: What is an EXIT - WHEN statement? MCA

Carefully read the question and answer accordingly.

Which of the values can be assigned to a

Oracle-Fund: Boolean variable ? MCA

The EXIT-WHEN statement lets a loop complete unconditionally. When the EXIT statement is encountered, the condition in the WHEN clause is evaluated. If the condition is true, the loop completes and control passes to the next statement after the loop

TRUE FALSE

Carefully read the question and answer accordingly.

Oracle-Fund: What is meant by %Type? MCA

Carefully read the question and answer accordingly.

You must declare each variable of same data

Oracle-Fund: type separately MCQ

We can use the %TYPE attribute as a datatype specifier when declaring constants, variables, fields, and parameters. Column constraints, such as the NOT NULL and check constraint, or default values are not inherited by items declared using %TYPE.

TRUE FALSE

Carefully read the question and answer accordingly. Pick the advantage of declaring a variable using %TYPE attribute. For example:		you need not know the exact datatype of last_name		memory consumption is less
Oracle-Fundamentals	v_last_name employees.last_name%TYPE. Carefully read the question and answer accordingly. Fields in a %ROWTYPE record inherit constraints	MCQ	TRUE	FALSE
Carefully read the question and answer accordingly. Identify the code snippet declare EmpNAME; begin SELECT ENAME INTO EmpNAME FROM Emp WHERE EmpNo=101172; dbms_output.put_line(EmpName); end;			Employee name whose employee no is 101172 is printed	
Oracle-Fundamentals	what will be the output of the above code Carefully read the question and answer accordingly. Predict the value of variable named "B" ? DECLARE A BOOLEAN := NULL; B BOOLEAN; BEGIN B := A IS NULL; IF B IS NULL THEN DBMS_OUTPUT.PUT_LINE('HI'); END IF; END;	MCQ	TRUE	FALSE
Carefully read the question and answer accordingly. State True or False, What are the two types of conversion between datatypes? 1)Explicit datatype conversion 2)Implicit datatype conversion		MCQ	TRUE	FALSE
Oracle-Fundamentals	Carefully read the question and answer accordingly. PL/SQL treats any zero-length string as _____	MCQ	blank space	NULL

Oracle-Fundz	Carefully read the question and answer accordingly. In conditional control statements, if the condition yields NULL, its associated sequence of statements is not executed	MCQ	TRUE	FALSE
Oracle-Fundz	Carefully read the question and answer accordingly. Which of the following statements are true? 1.A PL/SQL block has three parts, declarative part, an executable part and an exception handling part. 2.Declarative and Executable block are Mandatory 3. A PL/SQL Block can be anonymous or named 4. Identifiers in PL/SQL can contain max 35 character 5. Blocks of PL/SQL statements are translated by the PL/SQL engine that can reside either in the client or at the server side.	MCQ	1&2	1&2&3
Oracle-Fundz	Carefully read the question and answer accordingly. DECLARE v_boolean BOOLEAN; BEGIN v_boolean := 'TRUE'; DBMS_OUPUT.PUT_LINE(v_boolean); END;	MCQ	TRUE	Leads to compilation error
Oracle-Fundz	Predict the output of the program ?	MCQ		
Oracle-Fundz	Carefully read the question and answer accordingly. How to display output from PLSQL?	MCA	DBMS_OUTP UT.PUT_LINE %TYPE variables do not inherit NOT NULL constraints	DBMS_OUTP UT.PUTLINE %TYPE variables do not inherit check constraint,
Oracle-Fundz	Carefully read the question and answer accordingly. Pick the CORRECT statement about %TYPE variables such as the NOT NULL or or default values	MCA		

Carefully read the question and answer accordingly.
 Identify the code snippet
 DECLARE
 var_num1 number:=50;
 var_num2 number;
 BEGIN
 var_num2 := 200;
 DECLARE
 var_mult number;
 var_num1 number:= 100; -- LINE 1
 BEGIN
 var_mult := var_num1 * var_num2;
 END;
 dbms_output.put_line(var_num1);
 END;
 /

Oracle-Fundz	what will be the output of the above code assume serveroutput is on Carefully read the question and answer accordingly.	MCQ	Runs without any output	Compilation fails
Oracle-Fundz	In Oracle PL/SQL by default, variables are initialized to NULL. Carefully read the question and answer accordingly.	MCQ	TRUE	FALSE
Oracle-Fundz	The %ROWTYPE attribute provides a record type that represents a row in	MCA	view	index
Oracle-Fundz	Carefully read the question and answer accordingly. What are the true aspects about the %NOTFOUND attribute?	MCA	Returns NULL if the cursor is open but fetch has not been executed.	Return FALSE if no rows was returned
Oracle-Fundz	Carefully read the question and answer accordingly. In SQL, which of the following is NOT true with respect to Primary Key?	MCQ	A Default index is created in the column which acts as a Primary key.	Primary Key constraint has to be explicitly dropped before completely removing the table.
Oracle-Fundz	Identify the type of variable declared VARIABLE City Varchar2(20). Carefully read the question and answer accordingly.	MCQ	Bind Variable	Host Variable
Oracle-Fundz	Which is called as index-by tables ?	MCQ	Nested tables	Associative arrays

Oracle-Fundz	<p>Carefully read the question and answer accordingly.</p> <p>If the declaration is Number (4,5) and the assigned value is 123.4567 , what is the stored value?</p>	MCQ	<div>Error , exceeds precision</div>	12345.567
Oracle-Fundz	<p>Carefully read the question and answer accordingly.</p> <p>Consider the following statements that describes a PL/SQL Block Structure:</p> <p>Statement1: Declare and Exception Sections are mandatory.</p> <p>Statement2: Begin and End Sections are optional.</p> <p>Which of the following is applicable for above?</p>	MCQ	<p>Statement1 and Statement2 are true.</p>	<p>Only Statement1 is True.</p>
Oracle-Fundz	<p>Carefully read the question and answer accordingly.</p> <p>Examine the code snippet</p> <pre> DECLARE Num Number; BEGIN Num:=10; DECLARE Num Number; --LINE 1 BEGIN Num:=12; while(Num<13) loop dbms_output.put_line(Num); Num:=Num+1; END loop; END; if Num < 12 --LINE 2 then dbms_output.put_line('Less'); end if; END; / </pre> <p>What will be the result of the above code?</p>	MCQ	<p>Compilation fails due to error on line 1</p>	<p>Compilation fails due to error on line 2</p>

Carefully read the question and answer accordingly.
 Oracle-Fundz What is meant by case statements in PLSQL? MCA

Carefully read the question and answer accordingly.
 The patterns matched by LIKE can include two
 Oracle-Fundz special-purpose characters called wildcards. MCA

Carefully read the question and answer accordingly.
 Oracle-Fundz Comparisons involving nulls always yield NULL MCQ

Carefully read the question and answer accordingly.
 Oracle-Fundz What are the true aspects of PLSQL? MCA

Carefully read the question and answer accordingly.
 Oracle-Fundz Pick the valid constant declaration in PL/SQL MCQ

Carefully read the question and answer accordingly.
 What will be the old and new value of a
 Oracle-Fundz database column before AFTER and DELETE operation? MCQ

The CASE statement selects one sequence of statements to execute. To select the sequence, the CASE statement uses a selector rather than multiple Boolean expressions. A selector is an expression whose value is used to select one of several alternatives

The selector is followed by one or more WHEN clauses, which are checked sequentially. The value of the selector determines which clause is executed. If the value of the selector equals the value of a WHEN-clause expression, that WHEN clause is executed

_(underscore) .- (hyphen)

TRUE FALSE

A package specification can exists without a package body

A package body appears without package specification

max_days_in_year
 CONSTANT INTEGER := 366;

Value before change
 (:OLD) : Null
 Value After change
 (:NEW) : Null

max_days_in_year
 CONSTANT INTEGER := 366;
 Value before change
 (:OLD) : Value before delete
 Value After change
 (:NEW) : Null

Carefully read the question and answer accordingly.
What are the restrictions of GO TO statements?

Oracle-Fundamentals MCA

A GOTO statement cannot transfer control into an IF statement, CASE statement, LOOP statement, or sub-block.

A GOTO statement can transfer control from one IF statement clause to another, or from one CASE statement WHEN clause to another.

Carefully read the question and answer accordingly.
What does an EXIT statement do in PLSQL?

Oracle-Fundamentals MCA

Carefully read the question and answer accordingly.
You cannot assign nulls to a variable defined as NOT NULL. If you try, PL/SQL raises the predefined exception _____

Oracle-Fundamentals MCQ

The EXIT statement forces a loop to complete unconditionally

When an EXIT statement is encountered, the loop completes immediately and control passes to the next statement

STORAGE_ERROR

VALUE_ERROR

Carefully read the question and answer accordingly.
Which of the following statement is TRUE
(i) Strong REF CURSOR types are less error prone
(ii) Weak REF CURSOR types are not flexible

Oracle-Fundamentals MCQ

Carefully read the question and answer accordingly.
Which of the following logically related components can be grouped in a PL/SQL package ?

Oracle-PL/SQL MCA

Carefully read the question and answer accordingly.
A PL/SQL function can return more than one value from a function using PL/SQL record or PL/SQL table

Oracle-PL/SQL MCQ

(i)

(ii)

PL/SQL types

exceptions

TRUE

FALSE

The SELECT list or clause of a query

Conditional expressions of the WHERE and HAVING clauses

Carefully read the question and answer accordingly.
User-defined PL/SQL functions can be used in

Oracle-PL/SQL MCA

Carefully read the question and answer accordingly.

which parameter passing mode passes a value from the calling environment to the procedure and a possibly different value from the procedure back to the calling environment using

Oracle-PL/SC the same parameter ? MCQ

IN OUT

Carefully read the question and answer accordingly.

Which of the following sections can be present

Oracle-PL/SC in an anonymous PL/SQL block? MCQ

Declaration Executable

```
CREATE OR
REPLACE
TRIGGER
check_sal
BEFORE
UPDATE OF
sal ON emp
FOR EACH
ROW WHEN
(new.sal <
old.sal OR
new.sal >
old.sal * 1.1)
BEGIN
```

```
ALTER
TABLE emp
ADD
CONSTRAINT 'Do not
ck_sal
decrease
CHECK (sal
salary not
BETWEEN
increase by
sal AND
more than
sal*1.1);
10%'); END;
```

Carefully read the question and answer accordingly.

Which code can you use to ensure that the salary is not increased by more than 10% at a time nor is it ever decreased?

Oracle-PL/SC MCQ

Carefully read the question and answer accordingly.

what is the result when we attempt to change

Oracle-PL/SC the value of an IN parameter ? MCQ

run time exception compile-time error

Carefully read the question and answer accordingly.

```
CREATE OR REPLACE FUNCTION  
dml_call_sql(sal NUMBER)  
RETURN NUMBER IS  
BEGIN  
INSERT INTO employees(employee_id,  
last_name,  
email, hire_date, job_id, salary)  
VALUES(1, 'Frost', 'jfrost@company.com',  
SYSDATE, 'SA_MAN', sal);  
RETURN (sal + 100);  
END;
```

The above user defined PL/SQL function is called from the below UPDATE query. What is your prediction about the OUTPUT ?

```
UPDATE employees  
SET salary = dml_call_sql(2000)
```

Oracle-PL/SC WHERE employee_id = 170;

MCQ

UPDATE will happen throws EXCEPTION

Carefully read the question and answer accordingly.

A package specification can exist without a package body; that is, when the package specification does not declare subprograms a body is not required

Oracle-PL/SC

MCQ

TRUE FALSE

Carefully read the question and answer accordingly.

There exists a procedure called add_dept with two parameters. The procedure is called as shown below

```
EXECUTE add_dept ('ADVERTISING', loc  
=> 1200)
```

Oracle-PL/SC What type of parameter-passing is this ?

MCQ

positional named

Carefully read the question and answer accordingly.

All the named parameters should precede the positional parameters in a subprogram call.

Oracle-PL/SC

MCQ

TRUE FALSE

Carefully read the question and answer accordingly.

You need to create a trigger on the EMP table that monitors every row that is changed and places this information into the AUDIT_TABLE.

Oracle-PL/SC What type of trigger do you create?

MCQ

FOR EACH ROW trigger on the EMP table. Statement-level trigger on the EMP table.

Carefully read the question and answer accordingly.

Which two statements about packages are true?

- 1.Packages can be nested.
- 2.You can pass parameters to packages.
- 3.A package is loaded into memory each time it is invoked.
- 4.The contents of packages can be shared by many applications.
5. You can achieve information hiding by making package constructs private.

Oracle-PL/SC	MCQ	1&2	1&5
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Carefully read the question and answer accordingly.

Under which two circumstances do you design database triggers?

- 1.To duplicate the functionality of other triggers.
2. To replicate built-in constraints in the Oracle server such as primary key and foreign key.
- 3.To guarantee that when a specific operation is performed, related actions are performed
- 4.For centralized, global operations that should be fired for the triggering statement, regardless of which user or application issues the

Oracle-PL/SC statement.	MCQ	1&2	1&4
-------------------------	-----	-----	-----

Carefully read the question and answer accordingly.

The functions used in SQL statements should not

Oracle-PL/SC use OUT or IN OUT mode parameters	MCQ	TRUE	FALSE
--	-----	------	-------

Carefully read the question and answer accordingly.

Consider the following code segment :

DECLARE

```
TYPE first_rectype IS RECORD (  
    var1 VARCHAR2(100) := 'Hello World');  
first_rec first_rectype;  
TYPE second_rectype IS RECORD  
    (nested_rec first_rectype := first_rec);  
second_rec second_rectype;
```

Begin

// ----line1

End

Which of the following statement can be fitted

Oracle-PL/SC at ----line1?	MCQ
----------------------------	-----

dbms_output. put_line(secon d_rec);	dbms_output. put_line(secon d_rec.var1);
---	--

Carefully read the question and answer accordingly.

What part of a database trigger determines the

Oracle-PL/SC number of times the trigger body executes?	MCQ	Trigger type	Trigger body
---	-----	--------------	--------------

Carefully read the question and answer accordingly.
 For the parameters of the PL/SQL procedures,
 Oracle-PL/SC which cannot be specified ? MCA

length of the parameter	precision of the parameter
-------------------------	----------------------------

Carefully read the question and answer accordingly.
 Pick the VALID statement about PL/SQL
 Oracle-PL/SC procedure ? MCQ

PL/SQL procedure Can contain a RETURN statement without a value	PL/SQL procedure cannot contain RETURN statement without a value
--	---

Carefully read the question and answer accordingly.
 Which are VALID statement about PL/SQL
 Oracle-PL/SC package ? MCA

	When a PL/SQL-packaged construct is referenced for the first time, the whole package is loaded into memory
Package body is optional	

Carefully read the question and answer accordingly.
 When calling a function in a SQL statement
 Oracle-PL/SC which parameter notation must be used ? MCQ

positional	named
------------	-------

Carefully read the question and answer accordingly.
 You need to disable all triggers on the EMPLOYEES table. Which command
 Oracle-PL/SC accomplishes this? MCQ

ALTER TRIGGERS ON TABLE employees DISABLE;	ALTER employees DISABLE ALL TRIGGERS;
--	---------------------------------------

Carefully read the question and answer accordingly.
 Oracle-PL/SC what are the data dictionary views? MCA

ALL_SOURCE	USER_SOURCE
------------	-------------

Carefully read the question and answer accordingly.
What is the sequence of output of the following code?

```
DECLARE
    TYPE list_of_names_t IS TABLE OF
emp.ename%TYPE
    INDEX BY BINARY_INTEGER;
    family_mem list_of_names_t;
    l_row BINARY_INTEGER;
BEGIN
    family_mem (100) := 'Veena';
    family_mem (-15) := 'Sheela';
    family_mem (-30) := 'Syed';
    family_mem (88) := 'Raji';
    l_row := family_mem.FIRST;
    WHILE (l_row IS NOT NULL)
    LOOP
        DBMS_OUTPUT.put_line (
family_mem(l_row));
        l_row := family_mem.NEXT (l_row);
    END LOOP;
END;
```

Oracle-PL/SC MCQ

Carefully read the question and answer accordingly.
A procedure containing a single OUT parameter would be better rewritten as a function returning the value.

Oracle-PL/SC MCQ

Veena,
Syed,Sheela,
Raji Sheela, Syed,
 Veena, Raji

TRUE FALSE
Functions
called from:
An UPDATE
or DELETE
statement on
a table T
cannot query
or contain
DML on the
same table T

Carefully read the question and answer accordingly.
Which are TRUE about calling a function from SQL expressions ?

Oracle-PL/SC MCA

Carefully read the question and answer accordingly.
The functions can return PL/SQL specific data types such as BOOLEAN, RECORD, or TABLE

Oracle-PL/SC MCQ

TRUE FALSE

Carefully read the question and answer accordingly.
You have a row level BEFORE UPDATE trigger on the EMP table. This trigger contains a SELECT statement on the EMP table to ensure that the new salary value falls within the minimum and maximum salary for a given job title. What happens when you try to update a salary value in the EMP table?

Oracle-PL/SC MCQ

The trigger
fires
successfully. The trigger
fails because
it needs to be
a row level
AFTER
UPDATE
trigger.

Carefully read the question and answer accordingly.				
Which parameter mode can be used to assign a default value in the formal parameter declaration ?		MCQ	IN OUT	OUT
Carefully read the question and answer accordingly.				
The parameters for procedures can be specified using ?		MCA	an explicit data type	Using the %TYPE definition
Carefully read the question and answer accordingly.				
What exception is raised when the user enters the ID as -6 in the below code?				
<pre> DECLARE c_id customers.id%type := &cc_id; c_name customers.name%type; c_addr customers.address%type; -- user defined exception ex_invalid_id EXCEPTION; BEGIN IF c_id <= 0 THEN RAISE ex_invalid_id; ELSE SELECT name, address INTO c_name, c_addr FROM customers WHERE id = c_id; END IF; EXCEPTION WHEN ex_invalid_id THEN dbms_output.put_line('ID must be greater than zero!'); WHEN no_data_found THEN dbms_output.put_line('No such customer!'); END; / </pre>				
Oracle-Curso		MCQ	NO DATA FOUND exception will be raised	ex_invalid_id exception will be raised
Carefully read the question and answer accordingly.				
<p>You are developing a trigger which should ensure that no negative value is inserted in employee table's Age column . you have created a trigger as follows</p> <pre> create or replace trigger AgeVerify before insert on employee for each row when(new.EmpAge < 0) begin RAISE_APPLICATION_ERROR(-20000, 'no negative age allowed'); end; / </pre>				Replacing RAISE_APPLICATION_ERROR(-20000, 'no negative age allowed'); to RAISE_APPLICATIONS_ER ROR(-20000, 'no negative age allowed'); will give the desired output
Identify error if any in the above trigger and give the solution.		MCQ	The order of Arguments passed to RAISE_APPLICATION_ERROR is wrong	

Oracle-Curso	<p>Carefully read the question and answer accordingly.</p> <p>What is the syntax of Function?</p> <p>CREATE [OR REPLACE] FUNCTION function_name [parameters] IS Declaration_section RETURN return_datatype; BEGIN Execution_section Return return_variable; EXCEPTION exception section Return return_variable; END;</p>	MCQ	TRUE	FALSE
Oracle-Curso	<p>Carefully read the question and answer accordingly.</p> <p>Consider you are creating a cursor,Choose the correct sequence of steps to work with cursors?</p>	MCQ	Open , Declare , Fetch Close	Declare , Open , Fetch , Close
Oracle-Curso	<p>Carefully read the question and answer accordingly.</p> <p>What are the restrictions of REF cursor in PLSQL?</p>	MCA	Comparison operators cannot be used to test cursor variables for equality, inequality, null, or not null.	The value of a cursor variable can be stored in a database column
Oracle-Curso	<p>Carefully read the question and answer accordingly.</p> <p>What occurs when a cursor is opened?</p>	MCA	Opening the cursor allocates the memory first.	The select statement provided within the cursor statement gets executed when we open the cursor.
Oracle-Curso	<p>Carefully read the question and answer accordingly.</p> <p>What is FOR UPDATE clause in Cursors?</p>	MCA	When we issues a SELECT.. FOR UPDATE clause the RDBMS will automatically place a locks on the all the rows identified by the select statement.	The records will be available for our changes only.

Carefully read the question and answer accordingly.
 The following Block of statement is written to check the manager for each employee
 declare
 cursor c1 is
 select ename , Mgr
 from Emp;
 begin
 for rec in c1 LOOP
 dbms_output.put_line('Employee '||rec.ename||'
 Works for '||rec.Mgr);
 end loop;
 end;

Oracle-Curso provide suitable solution

MCQ

Carefully read the question and answer accordingly.
 You are creating a procedure which accepts the employee name and displays the employee details like Employee Name, Employee No, Manager
 Identify the correct syntax to achieve the

Oracle-Curso desired result.

MCQ

The above code has no error and gives the desired result

```
create or
replace
procedure
prcEmp_detail
s(EmpName
varchar2) as
begin declare
cursor c1 is
select * from
Emp where
Ename=Emp
Name; begin
for rec in c1
LOOP
dbms_output.
put_line(rec.e
name||'
'||rec.empNO||
' '||rec.Mrg);
end loop; end;
end;
```

Replace the above code as
 declare
 enameUser
 varchar(20);
 MrgUser
 varchar(20);
 begin select
 ename,Mrg
 into
 enameUser,M
 rgUser from
 Emp;
 dbms_output.
 put_line('Empl
 oyee
 '||enameUser||
 ' Works for
 '||MrgUser);
 end; /

```
create or
replace
procedure
prcEmp_detail
s(EmpName
varchar2) as
begin declare
cursor c1 is
select * from
Emp where
Ename=Emp
Name; begin
for rec in c1
LOOP
dbms_output.
put_line(c1.en
ame||'
'||c1.empNO||'
'||c1.Mrg); end
loop; end;
end;
```


Carefully read the question and answer accordingly.
How to convert the following code using the cursor FOR LOOP?

```
DECLARE
CURSOR occupancy_cur IS
SELECT pet_id, room_number
FROM occupancy WHERE occupied_dt =
SYSDATE;
occupancy_rec occupancy_cur%ROWTYPE;
BEGIN
OPEN occupancy_cur;
LOOP
FETCH occupancy_cur INTO occupancy_rec;
EXIT WHEN occupancy_cur%NOTFOUND;
update_bill (occupancy_rec.pet_id,
occupancy_rec.room_number);
END LOOP;
CLOSE occupancy_cur;
END;
```

Oracle-Curso

MCQ

Carefully read the question and answer accordingly.

What is the syntax of PRAGMA EXCEPTION_INIT?

Oracle-Curso

MCQ

```
DECLARE
CURSOR
occupancy_cu
r IS SELECT
pet_id,
room_number
FROM
occupancy
WHERE
occupied_dt =
SYSDATE;
occupancy_re
c
occupancy_cu
r%ROWTYPE
; BEGIN FOR
occupancy_re
c IN
occupancy_cu
r LOOP
update_bill
(occupancy_r
ec.pet_id,
occupancy_re
c.room_numb
er); END
LOOP; END;
```

```
DECLARE
exception_na
me
EXCEPTION
PRAGMA
EXCEPTION_
INIT PRAGMA
(exception_na
me ,
err_code);
Begin
Execution
section
Exception
WHEN
exception_na
me THEN
Handle the
exception
END;
```

```
DECLARE
CURSOR
occupancy_cu
r IS SELECT
pet_id,
room_number
FROM
occupancy
WHERE
occupied_dt =
SYSDATE;
BEGIN FOR
occupancy_re
c IN
occupancy_cu
r LOOP
update_bill
(occupancy_r
ec.pet_id,
occupancy_re
c.room_numb
er); END
LOOP; END;
DECLARE
exception_na
me
EXCEPTION
PRAGMA
EXCEPTION_
INIT
(exception_na
me ,
err_code);
Begin
Execution
section
Exception
WHEN
exception_na
me THEN
Handle the
exception
END;
```

Carefully read the question and answer accordingly.
 What are the true aspects of implicit and explicit cursors?
 Oracle-Cursor MCA

Carefully read the question and answer accordingly.
 Examine the PL/SQL Block
 declare
 result Number;
 num1 Number:=&number1;
 num2 Number:=&number2;
 begin
 select num1/num2 into result from dual;
 dbms_output.put_line('Result is '||result);
 exception
 when ZEROS_DIVIDE then
 dbms_output.put_line('Exception Occurred Divide by Zero');
 end;
 /

What will be the output of the above code when user passes the value for NUM1 as 0 and NUM2 as 10
 Oracle-Cursor MCQ

Carefully read the question and answer accordingly.
 General Syntax for coding exception
 DECLARE
 Declaration Section
 BEGIN
 Exception Section
 When ex_name 1 THEN
 Error handling Statements
 When Others THEN
 Error handling Statements
 When ex_name 1 THEN
 Error handling Statements

Oracle-Cursor END;
 MCQ

Implicit cursors are automatically created by oracle when a select query in PLSQL is executed.

Explicit cursors is explicitly attached to a select query by programmer.

For INSERT operations, the implicit cursor holds the data that need to be inserted

Exception Occurred Divide by Zero Result is 10

TRUE FALSE

Oracle-PL/SC	<p>Carefully read the question and answer accordingly. Select the best definition for Why Collection needed in Oracle?</p>	MCQ	A group of related data items stored in fields , each fields has its own name and datatype.	You can think of a record as a variable that can hold a table row or some columns from a table row.
Oracle-PL/SC	<p>Carefully read the question and answer accordingly. Which of the following statements are true? 1.A collection is an ordered group of elements, all of the same type 2.Each element in collection has a unique subscript that determines its position in the collection. 3.A collection is a ordered group of elements of different types 4.Records are composite types that have internal components that can be manipulated individually 5.Nested Table is also known as associative arrays</p>	MCQ		1&2 1&2&3
Oracle-PL/SC	<p>Carefully read the question and answer accordingly. Which of the following statements are true? Statement A: Index by Table is Also known as associative arrays. It lets you to look up elements using arbitrary numbers and strings for subscript values. Statement B: Nested tables hold an arbitrary number of elements. They use sequential numbers as subscripts.</p>	MCQ	Both statements A and B are False. In a program all the columns of a table needs to be referenced, stored and processed.	Statement A Is false and B is True. When Only few columns of one or more tables needs to be referenced, stored and processed.
Oracle-PL/SC	<p>Carefully read the question and answer accordingly. In which case we will use Custom record?</p>	MCA		

	<p>Carefully read the question and answer accordingly. Examine the code snippet</p> <pre> declare TYPE CITY is TABLE of varchar2(20) index by PLS_INTEGER; v1 CITY; begin v1(1):='Bangalore'; v1(6):='Mumbai'; v1(2):='Delhi'; dbms_output.put_line(v1.count()); dbms_output.put_line(v1(2)); dbms_output.put_line(v1.next(6)); end;</pre>			<p>Compiles , executes prints 3 Delhi</p>
<p>Oracle-PL/SC</p>	<p>what will be the output of the above code? Carefully read the question and answer accordingly. Which of the following statements are true?</p> <ol style="list-style-type: none"> 1.Index by table has key value pair 2.Nested Table has key value pair 3.Index by Table is ordered based on its Key 4.Nested Table id ordered based on its key 	<p>MCQ</p>	<p>Compilation error</p>	
<p>Oracle-PL/SC</p>	<p>5.In a key value pair key is unique Carefully read the question and answer accordingly. Examine the code snippet</p> <pre> declare TYPE XYZ is VARRAY(10) of NUMBER; v2 XYZ; --line 1 x Number:=0; Begin v2:=XYZ(1,2,3,4,5,6,7); --line 2 v2.delete(1); --line 3 while x < v2.last --line 4 loop x:=x+1; dbms_output.put_line(x); end loop; end; /</pre>	<p>MCQ</p>	<p>1&2</p>	<p>1&2&3</p>
<p>Oracle-PL/SC</p>	<p>What will be the output of the above code ?</p>	<p>MCQ</p>	<p>Compilation fails due to error on line 1</p>	<p>Compilation fails due to error on line 2</p>

Carefully read the question and answer accordingly.
 Examine the code snippet
 declare
 TYPE XYZ is VARRAY(10) of NUMBER;
 v2 XYZ; -- line 1
 x Number:=0;
 Begin
 v2:=XYZ(1,2,3,4,5,6,7);
 v2.trim(1);--Line 2
 while x < v2.last
 loop
 x:=x+1;
 dbms_output.put_line(x);
 end loop;
 end;
 /

Oracle-PL/SC What will be the output of the above code? MCQ

Compilation fails due to an error on line 1	Compilation fails due to an error on line 2
---	---

Carefully read the question and answer accordingly.
 DECLARE
 TYPE StockItem IS RECORD(
 item_no Item_master.item_code%TYPE,
 item_name
 Item_master.item_name%TYPE,
 quantity Stock.Current_stock%TYPE,
 Unit_price Item_master.unit_price%TYPE);
 St_rec StockItem;

Oracle-PL/SC Predict what type of record it fall under ? MCQ

Carefully read the question and answer accordingly.

Predict which collection has ability to have elements selected Individually in database.

Oracle-PL/SC MCA

Carefully read the question and answer accordingly.

Examine the code snippet
 declare

```
TYPE ABC is VARRAY(10) of NUMBER;
v2 ABC;
begin
v2:=ABC();
v2.extend();
v2(1):=78;
Dbms_output.put_line(v2(1));
end;
```

Oracle-PL/SC what will be the output of the above code ? MCQ

Code contains a compilation error	Compiles , executes without any output
-----------------------------------	--

Table Record	Cursor Record
--------------	---------------

Varray	Nested Table
--------	--------------

	Carefully read the question and answer accordingly. Examine the code snippet declare TYPE ABC is VARRAY(10) of NUMBER; v2 ABC:=ABC(10,8,9,6,5,4,3,32); begin Dbms_output.put_line(v2(1)); end;		
Oracle-PL/SC	what will be the output of the above code ? Carefully read the question and answer accordingly. Which of the following statements are true? Statement A : Arrays have a fixed upper bound, but nested tables are unbounded Statement B : Second, arrays must have consecutive subscripts and nested tables are dense, but they can be sparse (have non-consecutive subscripts).	MCQ	Compilation fails Compiles and prints 8
Oracle-PL/SC		MCQ	Both statements A and B are False. Statement A Is false and B is True.
Oracle-PL/SC	Carefully read the question and answer accordingly. Which of the following statements are true Statement A :The body of the FORALL statement must contain a single DML operation. Statement B: The EXECUTE IMMEDIATE statement prepares (parses) and immediately executes a dynamic SQL statement or an anonymous PL/SQL block.	MCQ	Both statements A and B are False Both A and B are True
Oracle-PL/SC	Predict which collection has ability to preserve element order.	MCQ	Nested Table Associative Array
Oracle-PL/SC	Carefully read the question and answer accordingly. IF add_genre_new THEN IF NOT fic_genres.EXISTS(f_genre_id) THEN fic_genres.EXTENDS(1); fic_genres(f_genre_id) := f_genre; DBMS_OUTPUT.PUT_LINE('Total # of entries in fiction_genres is : ' fiction_genres.COUNT()); END IF;	MCQ	1. Add a new genre. 2. Is this genre id already in the collection? 3. Display the total # of elements. 4. **Add** another element to the varray. 1. Add a new genre. 2. Display the total # of elements. 3. **Add** another element to the varray.
HTML - Fund	State True or False. Carefully read the question and answer accordingly.	MCQ	FALSE TRUE
HTML - Fund	Which of the following is an empty tag in HTML?	MCQ	<a>

Carefully read the question and answer accordingly.				
HTML - Fund	ALT' attribute in tag used to represents	MCQ	Image filename	ID used to identify the image
			Which represents the content to be displayed in the page	Provides additional behaviour to the tag
Carefully read the question and answer accordingly.				
HTML - Fund	What is the use of attributes in HTML tags?	MCQ		
	Carefully read the question and answer accordingly.			
	Which tag is used to include multiple HTML pages in single page?	MCQ	frame	frameset
HTML - Table				
	Carefully read the question and answer accordingly.			
	How to divide the page into two rows when we are using frameset?	MCQ	By using cols=50%,50%	By using rows=50%,50%
HTML - Table				
	Carefully read the question and answer accordingly.			
	How to divide the page into two equal halves when we are using frameset ?			
	1.By using cols=50%,50%			
	2.By using rows=50%,50%			
	3.By using colspan			
HTML - Table	4.by using rowspan	MCQ	1&2	3&4
	Carefully read the question and answer accordingly.			
	The below html meta tag will reload page automatically every 60 _____ .			
HTML - Meta	<meta http-equiv="refresh" content="60">	MCQ	seconds	minutes
	Carefully read the question and answer accordingly.			
	Which of the following is not an attribute of meta tag?	MCQ	content	name
HTML - Meta				
	Carefully read the question and answer accordingly.			
	Automatic page Refresh can be done by using refresh Meta Tag.			
HTML - Meta	State True or False.	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly.			
	Which of the following are the functions of caching?			
	1.Temporarily storing the web page in the client			
	2.Reduce the network traffic			
	3.Decrease the speed of the response			
HTML - Meta	4.Increase the speed of the response	MCQ	1&2	1&2&3

	Carefully read the question and answer accordingly. Consider Vijay is developing web page using HTML.Which method he can use for sending data securely on submitting the form? I: POST			
HTML - Form	II: GET	MCQ	I	II
	Carefully read the question and answer accordingly. Consider Vijay is developing web page using HTML.Which method he can use for sending large amount of data on submitting the form? I: POST			
HTML - Form	II: GET	MCQ	I	II
	Carefully read the question and answer accordingly. Consider Vijay is developing web page using HTML. He wants user to enter some data which is multiline data. What must be the form element or control to be used by him?	MCQ	TextBox	TextArea
	Carefully read the question and answer accordingly. Which tag creates containers to other HTML tags/elements? I: DIV			
HTML - Div	S II: SPAN	MCQ	I	II
	Carefully read the question and answer accordingly. Which tag is used if we want to apply same styles for a block of elements? I: DIV			
HTML - Div	S II: SPAN	MCQ	I	II
	Carefully read the question and answer accordingly. If we want to apply a style for a text or a part of a text which tag will be used? I: SPAN			
HTML - Div	S II: DIV	MCQ	I	II
	Carefully read the question and answer accordingly. DIV tag creates linebreaks similar to paragraph tags.			
HTML - Div	S State True or False.	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. Which of the following are valid variable declarations in Java Script? 1.var x=3.14 2.var int x=4; 3.var x=4;			
Javascript - E	4.var country="INDIA"	MCQ	1&2	1&2&3

	Carefully read the question and answer accordingly. Which of the following are valid identifiers in Java Script? 1._num 2.num 3.9char 4.\$num	MCQ	1,2&4	3&4
Javascript - E	Carefully read the question and answer accordingly. Variables in Java Script should be declared with data types. State True or False.	MCQ	FALSE	TRUE
Javascript - E	Carefully read the question and answer accordingly. Which of the following are used for executing client side script? 1.JavaScript 2.JSP 3.Servlets 4.VBScript	MCQ	1&2	3&4
Javascript - E	Carefully read the question and answer accordingly. Please select the correct statement with respect to including JavaScript in HTML pages.	MCQ	JavaScript can be written inside the page body	JavaScript can be written inside the header
Javascript - C	Carefully read the question and answer accordingly. In JavaScript, for accessing first paragraph tag in the document which of the statement is used?	MCQ	document.getElementsByTagName("p")[0]	document.getElementsByTagName("p")
Javascript - C	Carefully read the question and answer accordingly. In JavaScript, for reading the contents inside the first paragraph tag which statement is used?	MCQ	document.getElementsByTagName("p").innerText()	document.getElementsByTagName("p")[0].innerText;
Javascript - C	Carefully read the question and answer accordingly. Consider Vijay is developing a web application. Which method he can use to get a collection of elements of same type (for example paragraph tags) in Java Script?	MCQ	getElementByName()	getElementById()

	Carefully read the question and answer accordingly. What will be the output of the following Java Script code when the button is clicked?			
Javascript - C	<pre> <body> <script type="text/javascript"> function displayMessage(){ document.write("Displaying message by using javaScript"); } </script> <button type="button" onclick="DISPLAYMESSAGE()">Display Message</button> </body> </pre>	MCQ	It will print the message "Displaying message by using javaScript"	It will not print the message
XML- Introdu	Carefully read the question and answer accordingly. What is the correct syntax of the declaration which defines the XML version?	MCQ	<pre> <xml version="1.0" /> </pre>	<pre> <?xml version="1.0"? > </pre>
XML- Introdu	Carefully read the question and answer accordingly. How to declare element with minimum one occurrence?	MCQ	<pre> <! ELEMENT element- name(element- content+)> </pre>	<pre> <! ELEMENT element- name(element- content+)!> </pre>
XML- Introdu	Carefully read the question and answer accordingly. Which of the following XML statement is valid?	MCQ	<pre> <message> if price<60</me ssage> </pre>	<pre> <message> if price It 60 </message> </pre>
XML- Introdu	Carefully read the question and answer accordingly. What does DTD stands for?	MCQ	Direct Type Definition	Document Type Definition
XML- Introdu	Carefully read the question and answer accordingly. Which of the following correctly defines use of DTD in XML development?	MCQ	DTD are used by parsers for validating the structure of the XML	DTD are used as contract between two systems to interoperate.
XML- Introdu	Carefully read the question and answer accordingly. Any text that should not be parsed by the xml parser needs to declare as: I: PCDATA	MCQ	I	II
XML- Introdu	II: CDATA	MCQ	eXtra Modern Link	eXtensible Markup Language
XML- Introdu	What does XML stand for?	MCQ		
XML- Introdu	Carefully read the question and answer accordingly. Which parser is a W3C standard?	MCQ	SAX	DOM

XML- Introduction	Carefully read the question and answer accordingly. What are the uses of XML parsers? 1.Parsing XML files and retrieving data from XML elements 2.Creating XML files programmatically 3.Used to direct conversion using an XSLT processor	MCQ	1&2	2
	Carefully read the question and answer accordingly. Which parser reads small chunk of document at a time,parses it, generate an events and then reads another chunk of document	MCQ	DOM	SAX
XML- Introduction	Carefully read the question and answer accordingly. Which defines standard set of objects for creating XML's?	MCQ	SAX	XMLDOM
XML- Introduction	Carefully read the question and answer accordingly. Which type of parser is suitable,when applications is required to read data without modifying the content	MCQ	DOM	SAX
XML- Introduction	Carefully read the question and answer accordingly. Which statement creates DocumentBuilder instance?	MCQ	DocumentBuilder b=new DocumentBuilder();	DocumentBuilder b=new Builder();
XML- Introduction	Carefully read the question and answer accordingly. What does XSL stands for?	MCQ	Extensive Style sheet language	Extensible Style Language
XML- Introduction	Carefully read the question and answer accordingly. Which statement creates DocumentBuilderFactory instance?	MCQ	DocumentBuilderFactory f=new DocumentBuilderFactory();	DocumentBuilderFactory f=new BuilderFactory().newInstance();
XML- Introduction	Carefully read the question and answer accordingly. Which language is used for formatting XML documents?	MCQ	XSL	XSLT
XML- Introduction	Carefully read the question and answer accordingly. Which is used to transform XML document?	MCQ	Xpath	XSLT
XML- Introduction	Carefully read the question and answer accordingly. What are the two common exceptions in JAXP? 1.ParserConfigurationException 2.FactoryConfigurationException 3.FactoryConfigurationError	MCQ	1&2 Java API eXtensive processing	3 Java API eXtensible Processing
XML- Introduction	Carefully read the question and answer accordingly. JAXP Stands for:	MCQ		

Carefully read the question and answer accordingly.

XML- In which package JAXP related API's are available?

MCQ

javax.xml.parsers.*;

javax.xml.*;

Carefully read the question and answer accordingly.

XML- Which complex type specifies that the elements should always be in the order specified?

MCQ

```
<xs:complexType>
  <xs:complexType name="CountryInfo">
    <xs:choice>
      <xs:all>
        <xs:element name="countryName" type="xs:string"/>
        <xs:element name="states" type="xs:integer"/>
      </xs:all>
    </xs:choice>
  </xs:complexType>
  <xs:element name="CountryName" type="xs:string" constant="India"/>
```

Carefully read the question and answer accordingly.

XML- Which statement specifies a constant value for a simple element?

MCQ

```
<xs:element name="CountryName" type="xs:string" constant="India"/>
<xs:element name="CountryName" type="xs:string" fixed="India"/>
```

Carefully read the question and answer accordingly.

XML- Which complex type signifies that only one of the child elements can appear?

MCQ

```
<xs:complexType>
  <xs:complexType name="CountryInfo">
    <xs:choice>
      <xs:element name="countryName" type="xs:string"/>
      <xs:element name="states" type="xs:integer"/>
    </xs:choice>
  </xs:complexType>
  <xs:element name="CountryName" type="xs:string" constant="India"/>
```

	Carefully read the question and answer accordingly. As per Java coding standard class names should be nouns, in mixed case with the first letter of each internal word capitalized. Try to keep your class names simple and descriptive.			
Industry Prac	State True or False. Carefully read the question and answer accordingly. Select the right coding best practices followed while using java Collections. 1.Use for loop instead of iterator 2.Use Collections with generic with same type of data. 3.Copy collections into other collections by calling addAll() methods instead using iterator	MCQ	TRUE	FALSE
Industry Prac	to copy each collection element. Carefully read the question and answer accordingly. Consider the following code snippet: import org.junit.*; import static org.junit.Assert.*; import java.io.*; public class OutputTest { private File output; @Before public void createOutputFile() { output = new File(...); } @After public void deleteOutputFile() { output.delete(); } @Test public void testSomethingWithFile() { ... } } Which of the following option gives the order in which the methods in the above given OutputTest class is executed?	MCQ	1&2	2&3
Industry Prac	Carefully read the question and answer accordingly. Select correct naming convention used during class declaration. 1.Class name should be nouns 2.Should be simple & descriptive 3.Class name starts with lower case. 4.Class name can be java valid keyword.	MCQ	createOutputFile() deleteOutputFile() testSomethingWithFile()	createOutputFile() testSomethingWithFile() deleteOutputFile()
Industry Prac			1&2	3&4

	Carefully read the question and answer accordingly. Documentation comments are meant to describe the specification of the code to be read by developers.			
Industry Prac	State True or False.	MCQ	TRUE	FALSE
	Carefully read the question and answer accordingly. Which tool verifies for best practice adherence? 1.PMD 2.Check Style 3.CPD			
Industry Prac	4.ANT	MCQ	1&2	1&2&3
	Carefully read the question and answer accordingly. What are the major areas PMD tool scans java code?	MCQ	Coding standards	Violation of best practice
	Carefully read the question and answer accordingly. Which of the following is build tool?	MCQ	ANT	PMD
	Carefully read the question and answer accordingly. Choose a valid package name in Java? 1.com.sun.eng 2.123pack 3.pack123			
Industry Prac	4.outerpack_innerpack	MCQ	1&2	1&2&3
	Carefully read the question and answer accordingly. Select the advantages of using coding conventions in java application development.	MCQ	Improves Readability of the software	Improves Easy understanding
	Carefully read the question and answer accordingly. public class MethodSigExample { public int test(String s, int i) { int x = i + s.length(); return x; } }			
			Refactor > Change Method Signature	Refactor > move
Industry Prac	During refactoring method signature can be changed using the option: Carefully read the question and answer accordingly. What are the types of refactoring? 1.Physical Structure 2.Logical Structure 3.Method Level	MCQ		
Industry Prac	4.Class Level Structure	MCQ	1&2	3&4

	Carefully read the question and answer accordingly. What are the Tools & plug-ins commonly used in testing java application code? 1.ANT 2.JUnit 3.JavaScript 4.EMMA	MCQ	1&2	3&4
Industry Prac	Carefully read the question and answer accordingly. What are the benefits of Logging? 1.Debug applications issues easily 2.Detect compiler errors easily 3.Trouble Shoot performance problems	MCQ	1&2	2&3
Industry Prac	Carefully read the question and answer accordingly. Select the benefits of versioning the software in java application development. 1.Backup and Restore 2.WinZIP 3.Synchronization 4.Branching and merging 5.Formatting	MCQ	1&2	1&2&3
Industry Prac	Carefully read the question and answer accordingly. An art of identifying, organizing, controlling and verifying the modification to the software work products built by the developer.	MCQ	SDLC	SVN
CoreJava-Sc	Carefully read the question and answer accordingly. Which of these is executed first before execution of any other thing takes place in a program?	MCQ	main method By multithreading CPU's idle time is minimized, and we can take maximum use of it.	finalize method By multitasking CPU's idle time is minimized, and we can take maximum use of it.
CoreJava-Sc	Carefully read the question and answer accordingly. Which of the following statement is incorrect? Carefully read the question and answer accordingly. Consider a development scenario where you want to write the object data into persistence storage devices (like file, disk etc.).Using which of the below concept you can achieve the given	MCQ		
CoreJava-Sc	requirement?	MCQ	finalization	Serialization

	Carefully read the question and answer accordingly. In Thread implementation making method synchronized is always better in order to increase application performance rather than using synchronize block to synchronize certain block of statements written in java inside the method.			
CoreJava-Sc	State True or False. Carefully read the question and answer accordingly. Consider you are developing an application where you have to store and retrieve data in character format in file. Which API you will use to store and retrieve the data in character format?	MCQ	FALSE	TRUE
CoreJava-Sc	Carefully read the question and answer accordingly. Consider you are developing a JDBC application, where you have to retrieve quarterly report from database by executing database store procedure created by database developer. Which statement API you will use to execute store procedure and retrieve ResultSet information?	MCQ	Reader and Writer Stream APIs	InputStream and OutputStream Stream APIs
CoreJava-Sc	Carefully read the question and answer accordingly. Which statements are true about comparing two instances of the same class, given that the equals() and hashCode() methods have been properly overridden?	MCQ	Statement If the equals() method returns true, the hashCode() comparison == might return false	PreparedStatement If the equals() method returns false, the hashCode() comparison == might return true
CoreJava-Sc	Carefully read the question and answer accordingly. Which of the following is incorrect statement regarding the use of generics and parameterized types in Java?	MCA	Generics provide type safety by shifting more type checking responsibilities to the compiler.	Generics and parameterized types eliminate the need for down casts when using Java Collections.

CoreJava-Sc	<p>Carefully read the question and answer accordingly.</p> <p>Which collection class allows you to grow or shrink its size and provides indexed access to its elements, but whose methods are not synchronized?</p>	MCQ	java.util.HashSet	java.util.LinkedHashSet
CoreJava-Sc	<p>Carefully read the question and answer accordingly.</p> <p>Consider you are developing an ATM application for ABC Bank using java application. Several account holders of ABC Bank have opted for add-on cards. There is a chance that two users may access the same account at same time and do transaction simultaneously knowingly or unknowingly from different ATM machine from same or different bank branches. As developer you have to ensure that when one user login to account until he finishes his transaction account should be locked to other users who are trying access the same account. How do you implement given requirement programmatically using java?</p>	MCQ	Using Thread Synchronization	Using object serialization
CoreJava-Sc	<p>Carefully read the question and answer accordingly.</p> <p>Consider you are developing a JDBC application, where you have to retrieve the Employee information from the database table based on Employee id value passed at runtime as parameter. Which best statement API you will use to execute parameterized SQL statement at runtime?</p>	MCQ	Statement	PreparedStatement
CoreJava-Sc	<p>Carefully read the question and answer accordingly.</p> <p>You need to store elements in a collection that guarantees that no duplicates are stored and all elements can be accessed in natural order. Which interface provides that capability?</p>	MCQ	java.util.Map	java.util.Set
CoreJava-Sc	<p>Carefully read the question and answer accordingly.</p> <p>Consider you are developing shopping cart application you have to store details of items purchased by the each customer in intermediate memory before storing purchase details in actual database permanently note that number of different items purchased by customer is not definite it may vary. How do you implement given requirement using java considering best performance of the application?</p>	MCQ	Implement using Arrays	Implement using Collection API's.

CoreJava-Sc	Carefully read the question and answer accordingly. Consider you are developing a JDBC application, where you have to retrieve Employee table schema information like table columns name, columns field length and data type etc. Which API you will use to retrieve table schema information?	MCQ	ResultSet	ResultSetMetaData
CoreJava-Sc	Carefully read the question and answer accordingly. Consider the development scenario where you have created Employee class with implementation code and as per the project requirement you have to ensure that developer in team reusing code written in Employee class only using inheritance by extending the employee class but not by creating the instance of Employee object directly. Please suggest the solution to implement given requirement?	MCQ	Mark Employee class with abstract keyword	Mark Employee class with final keyword
CoreJava-Sc	Carefully read the question and answer accordingly. Consider you are developing java application in a team consists of 20 developers and you have been asked to develop class by Name ProgrammerAnalyst and to ensure that other developers in team use ProgrammerAnalyst class only by creating object and team member should not be given provision to inherit and modify any functionality written in ProgrammerAnalyst class using inheritance. How do you achieve this requirement in development scenario?	MCQ	Declare the ProgrammerAnalyst class has abstract Any one will be executed first lexicographically	Declare the ProgrammerAnalyst class has private Both of them will be executed simultaneously
CoreJava-Sc	Carefully read the question and answer accordingly. What will happen if two thread of same priority are called to be processed simultaneously?	MCQ		
CoreJava-Sc	Carefully read the question and answer accordingly. In Thread implementation methods like wait(), notify(), notifyAll() should be used in synchronized context . State true or false	MCQ	TRUE	FALSE
CoreJava-Sc	Carefully read the question and answer accordingly. Which class does not override the equals() and hashCode() methods, inheriting them directly from class Object?	MCQ	java.lang.String	java.lang.Double
CoreJava-Sc	Carefully read the question and answer accordingly. Interfaces are mainly used to expose behavior or functionality not the implementation code. State true or false	MCQ	TRUE	FALSE

	Carefully read the question and answer accordingly. Select the advantages of using Collection API's in java application development.	MCQ	Reduces programming effort	Allows interoperability among unrelated APIs
CoreJava-Sc	Carefully read the question and answer accordingly. Which of the following provides an efficient means of storing key/value pairs in sorted order, and allows rapid retrieval?	MCQ	TreeMap	HashMap
CoreJava-Sc	Carefully read the question and answer accordingly. Consider you are trying to persist or store object of Customer class using ObjectOutputStream class in java. When you are trying to persist customer object data java code is throwing runtime exception without persisting object information. Please suggest what is the key important factor you have consider in code in order to persist customer object data.	MCQ	Check whether you have implemented Customer class with Serializable interface	Check whether you have implemented Customer class with Externalizable interface
CoreJava-Sc	Carefully read the question and answer accordingly. The below procedure raises exception using RAISE_APPLICATION_ERROR when we try to delete a department that is not available in the below table else to display a message that the department is <available> Deleted. TABLE DATA : tbl_departments DEPARTMENTID DESCRIPTION 20 Science 30 Economics 40 Statistics 50 History CODE: CREATE OR REPLACE PROCEDURE Available_Dept(P_DeptId tbl_departments.departmentid%TYPE) IS BEGIN DELETE FROM tbl_departments WHERE departmentid = P_DeptId; IF SQL%NOTFOUND THEN RAISE_APPLICATION_ERROR (-20201, P_DeptId ' does not exist'); ELSE DBMS_OUTPUT.PUT_LINE('Department details are <Available>Deleted'); END IF; END Available_Dept;	MCQ	TRUE	FALSE
Oracle-Scen				

			DECLARE TYPE EmpRec IS RECORD (emp_id emp.empno% TYPE, job_title VARCHAR2(9), salary NUMBER(7,2)); emp_info EmpRec; BEGIN emp_info.emp _id := 7788; emp_info.job_ title := emp_info.sala ry := 3500; emp_info := emp_null; END;
Oracle-Scene	Carefully read the question and answer accordingly. Which code assign null to all the fields in the record emp_info? Carefully read the question and answer accordingly. Join queries are better in performance than Subqueries.	MCQ	TRUE FALSE
Oracle-Scene	State true or false.	MCQ	CREATE TRIGGER log_errors AFTER SERVERERR OR ON DATABASE BEGIN IF (IS_SERVER ERROR (1017)) THEN <special processing of logon error> ELSE <log error number> END IF; END;
Oracle-Scene	Carefully read the question and answer accordingly. Which of the trigger is used to log all errors and also to do some special processing when the log error is 1017?	MCQ	CREATE TRIGGER log_errors AFTER SERVERERR OR ON DATABASE BEGIN IF (IS_SERVER ERROR (1017)) THEN <special processing of logon error> ELSE <log error number> END IF; END;

Carefully read the question and answer accordingly.

XYZ Company database tables are accessed by several users but few users want to do positional row updates or deletes operation on databases tables based on business requirement. What will the right solution you will

Oracle-Scenario implement in such scenario?

MCQ

Use Views

Use Cursors

Carefully read the question and answer accordingly.

Consider you are maintaining ABC company database. ABC company database tables are accessed by 1000 users initially when it was designed from last two years there was tremendous increase in number records count also number of users who are accessing the database tables to fetch results. Users of ABC company database are reporting problem that query processing is taking more time when they execute query against the database tables.

What will the right solution you will suggest in such scenarios in order to increase database

Oracle-Scenario query performance?

MCQ

Create
Function

Create Stored
Procedure

Carefully read the question and answer accordingly.

Which is the valid Package specification for the below requirements.

- 1) A procedure to update each professors salary
- 2) A function to return the professor details who receive less salary compared to others.
- 3) A REF CURSOR to be declared
- 4) A employee record with employeeid , employee name , salary.
- 5) A constant with datatype NUMBER with

Oracle-Scen: value 4

MCQ

CREATE OR	REPLACE
REPLACE	PACKAGE
PACKAGE	employee_pac
employee_pac	kage AS
kage AS	TYPE
TYPE	t_ref_cursor
emp_rec IS	IS REF
RECORD (CURSOR;
employeeid	TYPE
NUMBER,	emp_rec IS
firstname	RECORD (
VARCHAR2(1	employeeid
0), lastname	NUMBER,
VARCHAR2(1	firstname
0), salary	VARCHAR2(1
NUMBER);	0), lastname
minimum_cou	VARCHAR2(1
nt	0), salary
CONSTANT	NUMBER);
NUMBER :=	minimum_cou
4; FUNCTION	nt
get_employee	CONSTANT
RETURN	NUMBER :=
emp_rec;	4; FUNCTION
PROCEDURE	get_employee
update_salary	RETURN
(employeeid	emp_rec;
IN NUMBER);	PROCEDURE
END	update_salary
employee_pac	(employeeid
kage;	IN NUMBER);
	END

Carefully read the question and answer accordingly.

Which of the following is the benefits using

Oracle-Scen: triggers in database management system?

MCQ

Faster	
application	
development.	Global
Because the	enforcement
database	of business
stores	rules. Define a
triggers, you	trigger once
do not have to	and then
code the	reuse it for
trigger actions	any
into each	application
database	that uses the
application.	database.

Oracle-Scene	<p>Carefully read the question and answer accordingly.</p> <p>What is the collection exception raised for the below code?</p> <pre> DECLARE TYPE NumList IS TABLE OF NUMBER; nums NumList; BEGIN nums(1) := 1; END;</pre>	MCQ	SUBSCRIPT_ BEYOND_ CO UNT	COLLECTION _IS_NULL
Oracle-Scene	<p>Carefully read the question and answer accordingly.</p> <p>Can the function get_employees be called in an SQL statement as below ,</p> <pre> SELECT departmentid, description , get_employees(maxsalary) "Employeeid" FROM tbl_departments WHERE maxsalary = 3000</pre>	MCQ	TRUE	FALSE
Oracle-Scene	<p>Carefully read the question and answer accordingly.</p> <p>What error the following code will display?</p> <pre> DECLARE dynamic_stmt VARCHAR2(200); dummy BOOLEAN; FUNCTION get_x (x INTEGER) RETURN BOOLEAN AS BEGIN NULL; END get_x; BEGIN dynamic_stmt := 'BEGIN :b := get_x(5); END;'; EXECUTE IMMEDIATE dynamic_stmt USING OUT dummy; END;</pre>	MCQ	"Cannot string in current PLSQL session"	"String is not active"
Oracle-Scene	<p>Carefully read the question and answer accordingly.</p> <p>Examine the description of the employees table:</p> <pre> EMP_ID NUMBER (4) NOT NULL LAST_NAME VARCHAR2 (30) NOT NULL FIRST_NAME VARCHAR2 (30) DEPT_ID NUMBER (2) JOB_CAT VARCHAR (30) SALARY NUMBER (8, 2)</pre> <p>Which of the following SQL statements shows the department ID, minimum salary, and maximum salary paid in that department, only if the minimum salary is less than 2000 and maximum salary is more than 5000?</p>	MCQ	<pre> SELECT dept_id, MIN (salary), MAX (salary), MAX (salary) FROM employees WHERE MIN (salary) < 2000 AND MIN(salary) < 2000 AND MAX (salary) > 5000</pre>	<pre> SELECT dept_id, MIN (salary), MAX (salary) FROM employees WHERE MIN (salary) < 2000 AND MAX (salary) > 5000 GROUP BY dept_id</pre>

accordingly.

In the Student Management system we have a table called STUDENTS, COURSES, ENROLLMENTS with below data

TABLE DATA - STUDENTS:

STUDENTID	FIRSTNAME	LASTNAME
10001	Francis	Peter
10002	Venkat	Prasad

TABLE DATA - COURSES:

COURSEID	DEPARTMENTID	COURSENAME
1112	20	Science
1113	30	Economics

The below procedure is used to identify the coursename in the department 20.

CREATE OR REPLACE PROCEDURE

proc_coursename(p_deptid IN
courses.departmentid%TYPE)

AS

v_coursename VARCHAR2(10);

CURSOR c_coursename IS

SELECT coursename

FROM courses

WHERE departmentid = p_deptid;

BEGIN

FOR v_rec_coursename IN c_coursename

LOOP

DBMS_OUTPUT.PUT_LINE('The course in

Department ID: '|| p_deptid || ' is '||

'||v_rec_coursename.coursename);

END LOOP;

Oracle-Scenario: END proc_coursename;

MCQ

TRUE

FALSE

Carefully read the question and answer accordingly.

Views are a powerful mechanism for customizing the way your data is presented to users. They can be used to enhance security and streamline complex table relationships.

Views that create static results can still be modified using _____, which allow you to define how the underlying tables are modified

Oracle-Scenario: ensuring your data integrity.

MCQ

Triggers

Stored
Procedure

Carefully read the question and answer accordingly.

Which error will be raised for the below code?

DECLARE

TYPE tb_numbers_nt IS TABLE OF
NUMBER;

l_numbers tb_numbers_nt;

BEGIN

l_numbers.EXTEND;

l_numbers(1) := 1;

Oracle-Scenario: END;

MCQ

No error

"Value not
initialized"

Carefully read the question and answer accordingly.

In the Student Management system we have a table called STUDENTS, COURSES, ENROLLMENTS with below data

TABLE DATA - STUDENTS:

STUDENTID	FIRSTNAME	LASTNAME
10001	Francis	Peter
10002	Venkat	Prasad

TABLE DATA - COURSES:

COURSEID	DEPARTMENTID	COURSENAME
1112	20	Science
1113	30	Economics

TABLE DATA - ENROLLMENTS:

COURSEID	SECTION	STUDENTID
1112	A	10001
1113	B	10002

Which PLSQL procedure is used to display the student details along with the course names they have enrolled.

NOTE : STUDENTID should be passed as parameter.

SAMPLE OUTPUT : Student with ID:10001

Oracle-Scen: Major subject is Science.

MCQ

Carefully read the question and answer accordingly.

XYZ Company database tables are accessed by several users but for few users need to be provided provision for updating information like address, phone number, email address in secured manner without providing direct access to underlying database base tables.

What will the right solution you will implement in

Oracle-Scen: such scenario to meet requirement?

MCQ

```

REPLACE PROCEDURE
get_Coursena
me(p_studenti
d IN
TBL_students.
studentid%TY
PE) AS
v_studentid
NUMBER;
v_coursenam
e
VARCHAR2(1
0); CURSOR
c_course_na
me IS
SELECT
co.coursenam
e FROM
TBL_students
s, courses co ,
enrollments e
WHERE
s.studentid =
p_studentid
AND
s.studentid =
e.studentid
AND
e.courseid =
co.courseid;
BEGIN FOR

```

Create Views

Use Cursors

Carefully read the question and answer accordingly.
Which of the following SQL statements defines a FOREIGN KEY constraint on the deptno

Oracle-Scene: column of the EMP table?

MCQ

Carefully read the question and answer accordingly.
Which procedure raises an exception 'NO DATA FOUND' when the student searches for the course which is not available else to display

Oracle-Scene: a message that the course is available.

MCQ

CREATE TABLE EMP (empno NUMBER (4), ename VARCHAR2 (35), deptno NUMBER(7,2) NOT NULL,CONST RAINT emp_deptno_f k FOREIGN KEY deptno REFERENCE S dept deptno)	CREATE TABLE EMP (empno NUMBER (4), ename VARCHAR2 (35), deptno NUMBER (7,2) CONSTRAINT emp_deptno_f k REFERENCE S dept (deptno))
REPLACE PROCEDURE Available_maj or(p_course courses.cours ename%TYPE E) IS v_courseid NUMBER; v_coursenam e VARCHAR2(2 0); v_deptid NUMBER; BEGIN SELECT courseid ,departmentid, coursename INTO v_courseid,v_ deptid,v_cours ename FROM courses WHERE coursename like p_course '%'; DBMS_OUTP UT.PUT_LINE ('Course Available with	REPLACE PROCEDURE Available_maj or(p_course courses.cours ename%TYPE E) IS v_courseid NUMBER; v_coursenam e VARCHAR2(2 0); v_deptid NUMBER; BEGIN SELECT courseid ,departmentid, coursename INTO v_courseid,v_ deptid,v_cours ename FROM courses WHERE coursename like 'p_course%'; DBMS_OUTP UT.PUT_LINE ('Course Available with

Carefully read the question and answer accordingly.

Which procedure gets the student id and the course name for the given grade.

TABLE DATA - COURSES:

COURSEID	DEPARTMENTID	COURSENAME
1112	20	Science
1113	30	Economics

TABLE DATA - TBL_GRADE:

STUDENTID	COURSEID	YEAR	SEMESTER	GRADE
10001	1112	2014	'Second Semester'	1
10002	1113	2015	'First Semester'	2

SAMPLE OUTPUT : Student ID: 10001 grade

Oracle-Scenari is 1

MCQ

```

REPLACE PROCEDURE proc_get_details(p_grade IN TBL_GRADE.grade%TYPE)
AS
v_studentid NUMBER;
v_coursename VARCHAR2(10);
v_grade NUMBER;
CURSOR c_grade IS
SELECT g.studentid, co.coursename FROM TBL_GRADE g, COURSES co WHERE
g.courseid = co.courseid AND g.grade = p_grade;
BEGIN OPEN c_grade;
LOOP FETCH c_grade INTO v_studentid ,

```

Carefully read the question and answer accordingly.

How do we compare records?

(old_company_rec, new_company_rec are 2 records with name , incorp_date, address1 as

Oracle-Scenari fields)

MCQ

```

IF old_company_rec > new_company_rec IS NULL THEN -----.. END IF;
IF old_company_rec > new_company_rec THEN ---- END IF;

```

<p>Carefully read the question and answer accordingly. What exception the below code will raise?</p> <pre> DECLARE TYPE tab_numbers IS TABLE OF NUMBER INDEX BY PLS_INTEGER; l_numbers tab_numbers; BEGIN DBMS_OUTPUT.PUT_LINE (l_numbers (100)); END;</pre> <p>Oracle-Scene: MCQ</p>	<p>TOO_MANY_ROWS</p>	<p>NO_DATA_FOUND</p>
<p>Carefully read the question and answer accordingly. Which trigger is used to display the salary change information whenever a DELETE , INSERT or UPDATE statement affects the tbl_employees table(Salary Column)- The trigger should be FOR EACH ROW trigger. SAMPLE OUTPUT : Fahan,Karn: Old salary = 3500, New salary = 4500, Difference: 1000</p> <p>Oracle-Scene: MCQ</p>	<pre> REPLACE TRIGGER salary_changes BEFORE DELETE OR INSERT OR UPDATE ON TBL_EMPLOYEES FOR EACH ROW DECLARE sal_diff NUMBER; BEGIN sal_diff := :NEW.salary - :OLD.salary; DBMS_OUTPUT .UT.PUT(:OLD .firstname ',' :OLD.lastname ': '); DBMS_OUTPUT .UT.PUT('Old salary = ' :OLD.salary ', '); DBMS_OUTPUT .UT.PUT('New salary = ' :NEW.salary ', ');</pre>	<pre> REPLACE TRIGGER salary_changes BEFORE DELETE OR INSERT OR UPDATE ON TBL_EMPLOYEES FOR EACH ROW DECLARE sal_diff NUMBER; BEGIN DBMS_OUTPUT .UT.PUT(:OLD .firstname ',' :OLD.lastname ': '); DBMS_OUTPUT .UT.PUT('Old salary = ' :OLD.salary ', '); DBMS_OUTPUT .UT.PUT('New salary = ' :NEW.salary ', '); DBMS_OUTPUT .UT.PUT_LINE ('Difference: '</pre>
<p>Carefully read the question and answer accordingly. Select the key advantages of using Stored procedures in database management system.</p> <p>Oracle-Scene: MCQ</p>	<p>Execution plan retention and reuse</p>	<p>Application modularization</p>

Carefully read the question and answer accordingly.

In the Student Management system we have a table called STUDENTS with attributes STUDENID ,FIRSTNAME , LASTNAME.

TABLE DATA:

STUDENTID	FIRSTNAME	LASTNAME
10001	Francis	Peter
10002	Venkat	Prasad

Which PLSQL block in the options concatenates both the Firstname and Lastname with ',' symbol. NOTE : STUDENTID should be passed as parameter.

Oracle-Scene: SAMPLE OUTOUT : Francis,Peter MCQ

Carefully read the question and answer accordingly.

Which of the following SQL statements will

Oracle-Scene: calculate and return the absolute value of -80? MCQ

Carefully read the question and answer accordingly.

XYZ company database has Customer personal information View table using which customer can update their personal information like address, phone number fields when user updates address and phone number fields in view table. We need to take care of updating address and phone number fields in underlying database base table automatically. What right solution do you suggest to implement this

Oracle-Scene: requirement? MCQ

REPLACE PROCEDURE get_studentna me(p_studenti d IN TBL_students. studentid%TY PE) AS v_firstname VARCHAR2(1 0); v_lastname VARCHAR2(1 0); CURSOR c_student_na me IS SELECT firstname, lastname FROM TBL_students WHERE studentid = p_studentid; BEGIN OPEN c_student_na me; LOOP FETCH c_student_na me INTO v_firstname,v_ lastname;	REPLACE PROCEDURE get_studentna me(p_studenti d IN TBL_students. studentid%TY PE) AS v_firstname VARCHAR2(1 0); v_lastname VARCHAR2(1 0); CURSOR c_student_na me IS SELECT firstname, lastname FROM TBL_students WHERE studentid = p_studentid; BEGIN OPEN c_student_na me; LOOP FETCH c_student_na me INTO v_firstname,v_ lastname;
SELECT ABS(- 80) "Absolute" FROM DUAL	SELECT ABS(- 80), Absolute FROM DUAL

Implement using Cursors	Implement using Stored Procedures
----------------------------	---

Carefully read the question and answer accordingly.
 We have customer table with the following values

ID	NAME	AGE	ADDRESS	SALARY
1	Ramesh	26	Delhi	25000
2	Khilan	22	Chennai	30000

What will be the code to execute all the 3 records from the customer and to print the name and address in a single line. For example

Oracle-Scen: Ramesh Delhi

MCQ

c_id	c_id
customers.id	customers.id
%type;	%type;
c_name	c_name
customers.name	customers.name
%type;	%type;
c_addr	c_addr
customers.address	customers.address
%type;	%type;
BEGIN	CURSOR
CURSOR	c_customers
c_customers	is SELECT id,
is SELECT id,	name,
name,	address
address	FROM
FROM	customers;
customers;	BEGIN OPEN
OPEN	c_customers;
c_customers;	LOOP FETCH
LOOP FETCH	c_customers
c_customers	into c_id,
into c_id,	c_name,
c_name,	c_addr;
c_addr;	dbms_output.
dbms_output.	put_line(c_id
put_line(c_id	' ' c_name
' ' c_name	' ' c_addr);
' ' c_addr);	EXIT WHEN
EXIT WHEN	c_customers
c_customers	%notfound;
%notfound;	END LOOP;
END LOOP;	CLOSE

Carefully read the question and answer accordingly.
 Consider the following SQL statements:
 CREATE Table dept (deptno number (2),
 deptname varchar (20), loc varchar (20));
 ROLLBACK
 DESCRIBE dept
 Which of the following statement is true about

Oracle-Scen: the above?

MCQ

The Describe	The Rollback
statement	statement
displays the	frees the
structure of	storage space
the	occupied by
Department	the Dept table.
table.	

Carefully read the question and answer accordingly.

Which is the valid code to declare the nested

Oracle-Scen records

MCA

Carefully read the question and answer accordingly.

XYZ company database has SALES table which captures all department sales information. You have been asked to create department wise summarized total sales report from SALES table. Which of the following

Oracle-Scen correct option will fetch you meaning full result? MCQ

TYPE TimeTyprec IS RECORD (minutes DATE, hours DATE); TYPE Meetingmode IS RECORD (day DATE, time_of TimeTyprec, dept TBL_departm ents%ROWT YPE, place VARCHAR2(2 0), purpose VARCHAR2(5 0)); TYPE ToMeet IS RECORD (day DATE, time_of DATE, dept TBL_departm ents%ROWT YPE, place VARCHAR2(2 0), purpose VARCHAR2(5 0)); meeting Meetingmode;	DECLARE TYPE TimeTyprec IS RECORD (minutes DATE, hours DATE); TYPE Meetingmode IS RECORD (day DATE, time_of TimeTyprec, dept TBL_departm ents%ROWT YPE, place VARCHAR2(2 0), purpose VARCHAR2(5 0)); meeting Meetingmode; BEGIN seminar.time_ of := meeting.time_ of; END;
--	---

Use Aggregate function along with GROUP BY clause in query to retrieve result	Use Aggregate function along with WHERE clause in query to retrieve result
---	--

Carefully read the question and answer accordingly.

Which anonymous block to select first 3 highest paid salary and to insert into a temp table without any duplicate entry.

TABLE DATA : TBL_EMPLOYEES

EmployeeID	Salary	DepartmentID
258963	3000	20
257896	6000	30
457892	3000	40
564232	3000	40
254589	8000	50
784555	5000	20

Oracle-Scen: 784555 MCQ

Carefully read the question and answer accordingly.

Consider you are maintaining XYZ company database. XYZ database tables are accessed by several users to fetch daily reports by joining multiple tables found each user writes query which is more than 100 line of SQL statement and submits to server for processing in order to fetch results. This is really increasing the network traffic and also response time. What will the right solution you will implement in such

Oracle-Scen: scenarios in order to increase performance? MCQ

CURSOR c1 is SELECT employeeid, firstname ',' astname "Name" , salary FROM tbl_employees ORDER BY salary DESC; v_employeeid NUMBER; v_name VARCHAR2(30); v_salary NUMBER; BEGIN OPEN c1; FOR i IN 1..3 LOOP FETCH c1 INTO v_employeeid, v_name, v_salary; INSERT INTO temp VALUES (v_employeeid , v_name, v_salary); EXIT WHEN c1%NOTFOU ND; COMMIT;	CURSOR c1 is SELECT employeeid, firstname ',' astname "Name" , salary FROM tbl_employees ORDER BY salary DESC; v_employeeid NUMBER; v_name VARCHAR2(30); v_salary NUMBER; BEGIN OPEN c1; FOR i IN 1..4 LOOP FETCH c1 INTO v_employeeid, v_name, v_salary; INSERT INTO temp VALUES (v_employeeid , v_name, v_salary); EXIT WHEN c1%NOTFOU ND; COMMIT;
--	--

Create View Create Stored Procedure

Oracle-Scene	<p>Carefully read the question and answer accordingly.</p> <p>The below trigger is a Statement Level Trigger?</p> <p>State True or False?</p> <p>CREATE or REPLACE TRIGGER</p> <p>After_Update_product</p> <p>AFTER</p> <p>insert On product</p> <p>FOR EACH ROW</p> <p>BEGIN</p> <p>INSERT INTO product_check Values('After update, Row level',sysdate);</p> <p>END;</p>	MCQ	TRUE	FALSE
Oracle-Scene	<p>Carefully read the question and answer accordingly.</p> <p>Does the below code assign NULL to a nested table?</p> <p>DECLARE</p> <p>TYPE Clientele IS TABLE OF</p> <p>VARCHAR2(64);</p> <p>group1 Clientele := Clientele('Customer 1','Customer 2');</p> <p>group2 Clientele;</p> <p>BEGIN</p> <p>group1 := group2;</p> <p>END;</p>	MCQ	TRUE	FALSE
Oracle-Scene	<p>Carefully read the question and answer accordingly.</p> <p>Does the below code compares 2 collections?</p> <p>DECLARE</p> <p>TYPE Clientele IS TABLE OF</p> <p>VARCHAR2(64);</p> <p>group1 Clientele := Clientele('Customer 1', 'Customer 2');</p> <p>group2 Clientele := Clientele('Customer 1', 'Customer 3');</p> <p>BEGIN</p> <p>IF group1 = group2 THEN</p> <p>...</p> <p>END IF;</p> <p>END;</p>	MCQ	TRUE	FALSE

Oracle-Scenz/	<p>Carefully read the question and answer accordingly.</p> <p>The below code checks whether the collection is NULL and prints NULL, state TRUE or FALSE?</p> <pre> DECLARE TYPE emp_rec is RECORD (firstname TBL_employees.firstname%TYPE, lastname TBL_employees.lastname%TYPE); TYPE professor IS TABLE OF emp_rec; members professor; BEGIN IF members IS NULL THEN DBMS_OUTPUT.PUT_LINE('NULL'); ELSE DBMS_OUTPUT.PUT_LINE('Not NULL'); END IF; END;</pre>	MCQ	TRUE	FALSE
Oracle-Scenz	<p>Carefully read the question and answer accordingly.</p> <p>How to reference the below Packaged variables outside of PLSQL?</p> <pre> CREATE OR REPLACE PACKAGE pkg_var AS dummy_var CONSTANT VARCHAR2 (5) := 'xyz'; END pkg_var;</pre>	MCQ	<pre> DECLARE x VARCHAR2 (5); BEGIN SELECT pkg_var.dum my_var INTO x FROM DUAL; DBMS_OUTP UT.put_line (x); END;</pre>	<pre> DECLARE x VARCHAR2 (5); BEGIN SELECT dummy_var INTO x FROM DUAL; DBMS_OUTP UT.put_line (x); END;</pre>
J2EE Design	<p>Carefully read the question and answer accordingly.</p> <p>A Service locator is best implemented as a singleton</p>	MCQ	TRUE	FALSE
J2EE Design	<p>Carefully read the question and answer accordingly.</p> <p>Which design pattern used in creating connections using Java Database Connectivity (JDBC) API</p>	MCQ	Proxy pattern	Factory Pattern
J2EE Design	<p>Carefully read the question and answer accordingly.</p> <p>The template pattern avoids code duplication by defining common algorithm in base class and let the subclasses to implement the variations in the algorithm</p>	MCQ	TRUE	FALSE

	<p>Carefully read the question and answer accordingly.</p> <p>A developer designs a web application that must support multiple user interfaces such as</p> <ol style="list-style-type: none"> 1. XML based web services for Business to Business clients 2. HTML for web based clients 3. WML for wireless clients <p>Which design pattern provides the solution for this requirement.</p>	MCQ	DAO	Model - View - Controller
J2EE Design	<p>Carefully read the question and answer accordingly.</p> <p>In the below code, if we declare List interface instead of ArrayList, it would be easier to change any List implementation to store customer details in future. By defining ArrayList here the programmer tightly couples the ArrayList in his application.</p> <pre>class CustomerList { ArrayList customerList; public CustomerList(ArrayList list){ customerList=list; } }</pre>	MCQ	TRUE	FALSE
J2EE Design	<p>Carefully read the question and answer accordingly.</p> <p>As a developer, you are defining the logging service in the application. There should be only one instance of logging service should be defined so that multiple sources in your application can register and use it. The logging service should be accessible by all sources of application and hence you need to provide global point of access to the service. Identify the pattern used for this scenario.</p>	MCQ	singleton	Factory
J2EE Design	<p>Carefully read the question and answer accordingly.</p> <p>You are developing a web application and based on the client requests, your application has to share huge data files with respective clients. To save the network bandwidth, the files have to be compressed before sending the response. The logic for compressing the data files should not be redundant though compression has to applied for all the responses. Which design pattern should be used in this scenario to avoid the duplication of the compression code?</p>	MCQ	Intercepting Filter	DAO

J2EE Design	<p>Carefully read the question and answer accordingly.</p> <p>The Java Remote Method Invocation (RMI) system allows an object running in one JVM(Client) to invoke methods on an object running in another JVM(Server). The RMI Client creates the local representation of the remote object running in the server. Which design pattern implemented in this scenario.</p>	MCQ	Proxy pattern	Decorator Pattern
J2EE Design	<p>Carefully read the question and answer accordingly.</p> <p>Which are the pattern types are used for building loosely coupled systems</p>	MCA	Creational pattern	Structural Pattern
J2EE Design	<p>Carefully read the question and answer accordingly.</p> <p>Select the benefit of using Transfer Object design pattern</p>	MCA	It reduces network traffic by combining multiple calls into one network call and fetch and return multiple values in one trip	It increases the complexity of the remote interface and access by removing coarse grained methods
J2EE Design	<p>Carefully read the question and answer accordingly.</p> <p>We are developing a system that performs approval of various purchasing requests. The approval authority can be a purchase lead or purchase manager or purchase head based on the cost of the purchase. The system should be flexible to select the approver based on the cost of the purchase. Which design pattern should be used to handle this situation.</p>	MCQ	Bridge pattern	Chain of Responsibility pattern

<p>Carefully read the question and answer accordingly. Observe the below code snippet.</p> <pre> public interface iPersistence{ public Object save(Object o); public Object findBy(Object key); } public class PersistenceImp implements iPersistence{ public Object save(Object o){ } public Object findBy(Object key){ } } </pre> <p>As per the requirement, the iPersistence interface might be added with few more methods in future. This leads to the change of code in PersistenceImp class as well to provide implementation for new abstract methods introduced. Which pattern should be used in this scenario so that any change in the interface will not result in a change in PersistenceImp class.</p>	<p>MCQ</p>	<p>Bridge pattern</p>	<p>Decorator Pattern</p>
<p>Carefully read the question and answer accordingly.</p> <p>J2EE Design Which are the statements are true</p>	<p>MCA</p>	<p>Cohesion is the OO Concept which hides the implementation</p>	<p>Software coupling defined as the degree to which a software module relies or depends on other modules.</p>
<p>Carefully read the question and answer accordingly.</p> <p>Consider that we are connecting to different data sources from our application. If we couple the persistence code along with business logic, then the change of data source in the application will affect the business logic. Which design pattern is recommended to handle this scenario to ensure that the change in data source would not affect the business logic. .</p>	<p>MCQ</p>	<p>DAO Pattern</p>	<p>Factory Pattern</p>

Carefully read the question and answer accordingly.
Select the options which are true for Singleton pattern

J2EE Design pattern MCA

Carefully read the question and answer accordingly.
A good designed application should have " tight coupling and low cohesion"

J2EE Design MCQ

Singleton pattern ensures that only one object for the class created

Provides global access to the Singleton Object

TRUE

FALSE

Choice3

Choice4

Choice5

Grade1

Grade2

Grade3

Grade4

2&3

2&4

1&4

0

0

0

1

Throws exception

Depends on whether the session is newly created or not

0

0

1

0

2&3	2&4	1&4	0	0	0	0

Compilation error	Compilation, but runtime error, the buffer has been flushed	0	1	0	0
-------------------	---	---	---	---	---

By setting the setMaxInactiveInterval() method period to 60 seconds	By using the destroy() method	1	0	0	0
---	-------------------------------	---	---	---	---

HttpSession session = request.getSession("jsessionId");	None of the listed options	0	1	0	0
---	----------------------------	---	---	---	---

Gives illegalStateException	None of the listed options	0	1	0	0
deployment.xml	web.xml	0	0	0	1
String url =(String)session.getSession ("URL");	HttpServletRequest session = request.getSession(); String url =(String)session.getAttribute ("URL");	1	0	0	0
Statement A is false and statement B is true.	Statement A is false and statement B is false.	1	0	0	0
By overriding the destroy method in the servlet class.	By overriding the doGet method in the servlet class.	0	1	0	0

```

<servlet>      <servlet>
<servlet-      <servlet-
name>myworl    name>hello</
d.hello</servle servlet-name>
t-name>        <servlet-
<servlet-      class>myworl
class>hello</s d.hello</servle
ervlet-class>  t-class>
</servlet>    </servlet>
<servlet-      <servlet-
mapping>        mapping>
<servlet-      <servlet-
name>hello</    name>hello</
servlet-name>  servlet-name>
<url-          <url-
pattern>/hello pattern>hello<
</url-pattern> /url-pattern>
</servlet-    </servlet-
mapping>        mapping>

```

0 1 0 0

```

<HTML>
<BODY>
<FORM
ACTION=http:
//localhost:808
0/servlet
<HTML>
<BODY>
METHOD=GE
<INPUT
T> <INPUT
TYPE=SUBMI
TYPE=SUBMI
T
T
VALUE=SUB
VALUE=SUB
MIT>
MIT>
</FORM>
</FORM>
</BODY>
</BODY>
</HTML>
</HTML>

```

0 1 0 0

```
RequestDispatcher
dispatcher =
request.getRequestDispatcher(
"Servlet2"); request.sendR
dispatcher.chainedirect("Servle
in(req, resp); t2");
```

1 0 0 0

By storing the
content files
under the
WEB-INF
directory

By storing the
content files
under the INF
directory

0 0 1 0

PrintStream ServletConfig

1 0 0 0

Application ID Session ID

0 1 0 0

Based on
rules set, the
firewall server
will filter the
incoming
requests over
internet

A firewall
server will add
security
tokens to the
requests
before
passing to
destination
server

0 0 0.5 0.5

1 0

0 1

Statement A is false and statement B is true.	Statement A is false and statement B is false.	0	0	0	1
POST Servlets only contains business logic.	REQUEST Each request in servlet runs in separate thread.	0	0	1	0
		0	0	1	0
Application Servers	Proxy Server	0	1	0	0
Statement A is false and statement B is true.	Statement A is false and statement B is false.	1	0	0	0
Layered architecture can be used to increase or decrease the level of abstraction between layers	Development will be slower, because more layers to code & integration cost is higher	0.5	0	0.5	0
HttpServlet	It is not a sub-interface	0	1	0	0
		1	0		

JPA	JMS	0	1	0	0
		1	0		
These are also referred to as Web containers or Web engines.	All of the listed options	0	0	0	1
to provide listener information to notify certain classes when some events (like session creation) happen	has to list down the external API's which are used in the web application	0.33	0.33	0.33	0
2&3	1&4	0	0	0	1
10		0	1	0	0

			1	0		
<param-name>	<param-value>		0	1	0	0
	Will be bundled inside the application, hence no need to deploy individually	None of the above				
Proxy Server			0	1	0	0
			1	0		
			0	1		
ServletContext	ServletConfig		0	1	0	0
Application client container	Applet container		1	0	0	0
			1	0		
1&2&4	3&2	3&4	0	0	1	0

		0	1		
Web applications allows the users to invoke from any device like mobile phones, tablets that has browsers	To access the application, the device like mobile phones, tablets, computers need to open the port for connectivity to web server	0.33	0.33	0.33	0
Application Servers	Web Server	0	1	0	0
		0	1		
session.invalidate()	session.removeSession()	0	0	1	0
Hidden Field	All of the listed options	0	0	0	1
addSession()	getSession()	0	1	0	0
		1	0		

getSession()

Session timeout declarations made programmatically can specify time only in seconds.

getValue()
Session timeout declarations made programmatically can specify time either in minutes or seconds.

0 0 1 0

0 1 0 0

1 0

setMaxInactiveInterval()

setInactiveInterval()

0 1 0 0

HttpSessionListener

HttpSessionAttributeListener

0 0 1 0

servletid

containerid

0 1 0 0

2&3

3&5

1&5

0 0 0 1

2&3	2&4	1&4		0	0	0	0
ServletContext	HttpServletRequest			0	0	0	1
<pre> public void doGet(HttpServletRequest req, HttpServletRe sponse res) throws ServletExcepti on, IOException { Session session = req.getSessio n(); session.setAtt ribute("BookID ","Core Java"); } </pre>	None of the listed options			1	0	0	0
request.getSessionObject()	request.makeSession()			1	0	0	0
1&2	3&4			0	0	1	0
HttpSessionListener	None of the listed options			0	1	0	0

HttpRequestListener	None of the listed options		0	1	0	0
HttpSessionListener	HttpSessionBindingListener		0	0	1	0
<listener-attribute>	None of the listed options		0	1	0	0
contextInitialized()	start()		0	0	1	0
1&2	1&4		0	0	0	1
\${initParam["company-name"]}	\${contextParam.company-name}		0	0	1	0
3&4	4&5	1&5	1	0	0	0
\${"expr"}	\${expr}		1	0	0	0
7	error		1	0	0	0
			1	0		

1

None of the
listed options

0010

2&4

3&4

1000

headerValues

pageContext

0001

`${request.address}`

None of the
listed options

1000

`request.getParameter("userid");`

None of the
listed options

0100

c

a,b,c

0010

2&3	1&2&4	2&3&4	0	1	0	0
-----	-------	-------	---	---	---	---

2&3	2&4	1&4	0	1	0	0
-----	-----	-----	---	---	---	---

Statement A is false and statement B is true.	Statement A is false and statement B is false.	1	0	0	0
---	--	---	---	---	---

<%@ taglib
prefix="pre"
uri="testuri"
%> <html>
<head>
<title>Demo
on
helloworldCust
om tag</title>
</head> <h1>
<pre:helloworl
d
attrb="John"/>
</h1> </html>

<%@ taglib
prefix="pre"
uri="testuri"
%> <html>
<head>
<title>Demo
on
helloworldCust
om tag</title>
</head> <h1>
<helloworld
"attrb"="John"/
> </h1>
</html>

0010

Statement A is
false and
statement B is
true.

Statement A is
false and
statement B is
false.

1000

javax.servlet.j
sp.tag.ext

javax.servlet.j
sp.tagext

0001

a,b,c

c,d,e

1000

<a href='<c:url value="cogniz ant.jsp"/>'/>	<a href='<c:link value="cogniz ant.jsp"/>'/>	0	0	1	0
<c:out var="var">	<c:expr value=var>	0	1	0	0
<c:if>	There is no standard tag for switch	0	1	0	0
expr	test	0	0	0	1
1&2&4	3&2&5	0	0	0	0
	3&4&5				
 <c:forEach flag="errmsg" items="\${error Msgs}"> \${errmsg} </c:forEach> 	 <c:forEach flag=errmsg items="\${error Msgs}"> \${errmsg} </c:forEach> 	0	1	0	0
<jsp:useBean id="myBeanAt tribute" type="com.cts. MyBean" scope="reque st"/>	<jsp:useBean id="myBeanAt tribute" type="com.cts. MyBean" />	1	0	0	0

	It will iterate over the current ServletRequest parameters and would not set any property to the value of the matching parameter	1	0	0	0
A run time error is displayed.	A message box stating for user's confirmation about termination or continuation of the application is displayed.	0	1	0	0
<pre> <jsp:import file="user- pref.jsp"> <jsp:param name="userPr ef" value="\${user. preference}" /> </jsp:import> </pre>	<pre> <jsp:include path="user- pref.jsp"> <jsp:param name="userPr ef" value="\${user. preference}" /> </jsp:include> </pre>	1	0	0	0
<pre> <jsp:useBean id="account" type="com.cts. Account" /> <%= employee.get AccountNumb er(); %> </pre>	<pre> <jsp:useBean id="account" type="com.cts. Account" scope="sessio n"/> <jsp:getProper ty name="accou nt" property="acc ountNumber" /> </jsp:useBean > </pre>	0	0	0	1

The code sets the values of all properties of employee bean with default values.	The code does not compile as there is no property attribute of setProperty tag.	None of the given option	0	0	0	0
--	---	--------------------------	---	---	---	---

<pre> <jsp:useBean id="login" scope="Session" class="s.bean.s.LoginBean"> login.setValue (request.getParameter("Loginid")); login.setAddress(request.getParameter("address")); </jsp:useBean > </pre>	<pre> <jsp:useBean id="login" scope="Session" class="s.bean.s.LoginBean"> <login.setValue (request.getParameter("Loginid"));/> <login.setAddress(request.getParameter("address"));/> </jsp:useBean > </pre>		1	0	0	0
---	---	--	---	---	---	---

1&2	3&4		1	0	0	0
-----	-----	--	---	---	---	---

`<Jsp:getProperty
name="employee"
property="employee.empld"/>`

`<jsp:getProperty
name="employee"
property="employee.empld"/>`

0

0

1

0

`<jsp:include
file='WEB-INF/jsp/header.jsp'>
<jsp:param
name='pageTitle'
value="Welcome Page" />
</jsp:include>`

`<jsp:insert
file='WEB-INF/jsp/header.jsp'>
<jsp:param
name='pageTitle'
value="Welcome Page" />
</jsp:insert>`
page,
page, request,
response and
application

0

1

0

0

1

0

0

0

<pre> <% if (request.getP arameter("mar ks"))>=60) { %> <jsp:jspparam ="Ex.jsp"> <jsp:forward page="Ex.jsp" /> <% } else { %> <jsp:jspparam ="Av.jsp"> <jsp:forward page="Av.jsp" > <% } %> <jsp:setProper ty> <jsp:getProper ty> and <jsp:forward> </pre>	<pre> <% if (request.getP arameter("mar ks"))>=60) { %> <jsp:jspparam ="Ex.jsp"> </jsp:forward> <% } else { %> <jsp:jspparam ="Av.jsp"> </jsp:forward> <% } %> </pre>	1	0	0	0
<pre> <jsp:useBean > and <jsp:plugin> </pre>	<pre> <jsp:useBean > and </pre>	1	0	0	0
autoflush	extends	1	0	0	0

<p>The syntax error would be displayed.</p>	<p>The value will be equal to 10.</p>	1	0	0	0
---	---------------------------------------	---	---	---	---

out	page	1	0	0	0
Exception	Request	0	0	1	0
response	PageContext	1	0	0	0
It will display time as hh/mm/ss. Putting scripting-invalid=true attribute in form tag	It will display the current time as hh:mm:ss.	0	0	0	1
	Scripting can't be blocked	1	0	0	0
Expression	Declaration	0	1	0	0
request	response	1	0	0	0
Import a java class	Write a block of java code	1	0	0	0
		1	0		

extends	language	1	0	0	0
<html> <%=	<html> <%!				
String	String				
message="hel	message="hel				
lo world";	lo world";				
String	String				
getMessage()	getMessage()				
{ return	{ return				
message; }	message; }				
%> Message	%> Message				
for you:<%=	for you:<%!				
getMessage()	getMessage()				
%> </html>	%> </html>	1	0	0	0
	< %= public				
< %@ String	String				
name="Anand	name="Anand				
" % >	"; % >	0	1	0	0
session	language	0	1	0	0
<jsp:forward	<% page				
page="Header	import="Head				
.html">	er.html" %>	0	1	0	0
<%@ page	<%@ page				
isErrorPage="f	ErrorPage="fa				
alse" %>	lse" %>	1	0	0	0
It is NOT					
possible to					
access the					
pageContext					
object from					
within					
doStartTag.					
	String x =				
	(String)				
	pageContext.g				
	etRequest().g				
	etAttribute("fo				
	o");	0	0	0	1

<%@ include import="java.u til.*" %>	<%@ include autoFlush="ja va.util.*" %>	1	0	0	0
<% import="java.u til.*" %>	<% import java.util.* %>	1	0	0	0
Defines an object to provide client request information to a servlet	All of the listed options	1	0	0	0
void setAttribute(O bject object,String name)	void setAttribute(O bject object, Object object)	1	0	0	0
javax.Config	Servlet.Config	1	0	0	0
after service() runs	after servlet is loaded	0	1	0	0
<servlet- mapping >	<url-pattern>	1	0	0	0
Attribute	None of the listed options	1	0	0	0
getServletNa me(String name)	getInitParamet erName(String name)	1	0	0	0
void removeAttribut e(Object name)	void removeAttribut e(String name)	0	0	0	1

public void _jspService(Ht tpServletRequ est request, HttpServletRe sponse response)thro ws ServletExcepti on	public void _jspService(Ht tpServletRequ est request, HttpServletRe sponse response)thro ws java.io.IOExce ption	0	1	0	0
--	---	---	---	---	---

CompilerExce ption	JSPCompilerE xception	0	1	0	0
-----------------------	--------------------------	---	---	---	---

HTML	The compiled Servlet file	0	0	1	0
------	------------------------------	---	---	---	---

		1	0		
--	--	---	---	--	--

Line 6 is invalid	It will compile successfully and print 48	0	0	1	0
----------------------	---	---	---	---	---

		1	0		
--	--	---	---	--	--

MalformedEle mentExceptio n	TranslationEx ception	1	0	0	0
-----------------------------------	--------------------------	---	---	---	---

jspDestroy()	None of the listed options	0	1	0	0
--------------	-------------------------------	---	---	---	---

Translation	Container doesn't mind JSP syntax errors	0	0	1	0
-------------	---	---	---	---	---

jspInit()	jspInitialization()	0	0	1	0
It depends on the servlet container settings	WEB-INF/class	0	1		
		0	0	1	0
		0	1		
Undeployment	None of the listed options	1	0	0	0
		1	0		
JSP is compiled, JSP page is translated to a servlet, code is loaded, instance is created	JSP is loaded into memory, Code is compiled, instance is created	0	1	0	0
SMTP	No need of any protocol	1	0	0	0
_jspService()	jspInitialization()	0	0	1	0
		0	1		
<scripting-disabled>	None of the listed options	0	1	0	0

ServletRequest	HttpRequest	1	0	0	0
----------------	-------------	---	---	---	---

JSP support	Application Controller	0	0	0	1
-------------	------------------------	---	---	---	---

Statement A is false and statement B is true.	Statement A is false and statement B is false.	1	0	0	0
---	--	---	---	---	---

<loadonstartu p>	<load-on-Init>	1	0	0	0
---------------------	----------------	---	---	---	---

1&2	3	1	0	0	0
-----	---	---	---	---	---

jspDelete()	jspStop()	0	1	0	0
-------------	-----------	---	---	---	---

Controller	Connector	0	1	0	0
------------	-----------	---	---	---	---

Will display 15	None of the listed options	0	0	1	0
-----------------	----------------------------	---	---	---	---

1	0
---	---

Servlets are written in the C++	Servlets are written in the PHP	1	0	0	0
jspService()	service()	1	0	0	0
Web Application Request	Web Application Report	0	1		
		0	1	0	0
loading invoking, destroy. User Should manages this life cycle	None of the listed options	1	0	0	0
		1	0		
		1	0		
isErrorPage	None of the listed options	1	0	0	0
The doGet() method of generated servlet	Scriptlet code gets no place in the generated servlet	0	1	0	0

By modifying the web deployment descriptor	By implementing the Listeners	1	0	0	0
---	-------------------------------------	---	---	---	---

request.forward(request, response);	request.doFilter(request, response);	0	1	0	0
--	---	---	---	---	---

2&3	2&5	1&5	0	0	0	0
-----	-----	-----	---	---	---	---

destroy	doGet	0	1	0	0
---------	-------	---	---	---	---

Xmlspy	Tag Library Descriptor	0	0	0	1
--------	---------------------------	---	---	---	---

scriptless	tag dependant	1	0	0	0
By using unique variable.	By using path to the tag handler.	0	1	0	0

2&3	2	0	1	0	0
-----	---	---	---	---	---

1	0
---	---

1	0
---	---

sub class show method super class show method	Compilation Error	1	0	0	0
--	----------------------	---	---	---	---

			1	0		
public,friend	final,protected	private,abstract	0	1	0	0
Constructor is a special type of method which may have return type.	Constructors should be called explicitly like methods		0	1		
			1	0	0	0
			1	0		
Implementation	Access specifier	Class	0	0	0	1
III	I & III		1	0	0	0
None of the listed options	private		0	1	0	0

display	super class				
method	method				
display	display				
method 20 20	method 10 10	0	1	0	0

Compilation error	None of the listed options		1	0	0	0
Constructor	Destructor	Variable	0	0	1	0
All members of abstract class are by default protected	Protected is default access modifier of a child class		1	0	0	0

Compilation error

None of the listed options

0010

10

Generic

Polymorphic

1000

2&4

2&3

3&4

0000

20 10

10 20

0

1

0

1

0

0

0

1

Child

Parent Child

0

0

1

0

public void aM1(){} public void aM2(){} public void bM1(){} public void bM2(){}	public void aM1(){} public void bM2(){}
--	---

0 0 1 0

0 1

Statement I is FALSE & II is TRUE

1 0 0 0

Statement I is
FALSE & II is
TRUE

Statement I &
II are FASLE

1

0

0

0

1

0

1

0

2&3

1&2&4

2&4

0

0

0

1

Statement I is
FALSE & II is
TRUE

Statement I &
II are FASLE

1

0

0

0

60,60,60

120, 120, 120

0

0

0

1

It will print 5	None of the listed options	0	1	0	0
-----------------	----------------------------	---	---	---	---

1	0
---	---

1	0
---	---

2&3

3&4

2&4

0

0

0

0

0

1

public void
bM2(){}

All of the listed
options

0 0 0 1

1 0

1 0

This class must also implement the hashCode method as well.

The code will compile as Object class's equals method is overridden.

1

0

0

0

static

abstract

1

0

0

0

Runtime
Exception

No Output will
be displayed

0

1

0

0

DigiCam do
Charge

Runtime Error

1 0 0 0

they're not
equal t1's an
Object

No Output Will
be Displayed

0 0 1 0

0 1

WD 500

Compile Error.

0 0 1 0

1 0

Statement I is
FALSE & II is
TRUE Statement I &
II are FASLE

1 0 0 0

Code will
compile but
wont print any
message Runtime
Exception

1 0 0 0

1 0

compilation
error None of the
listed options

0 0 1 0

Statement B
alone Neither
Statements A
nor B

1 0 0 0

scope resolution	none of these	0	1	0	0
System.out.gc();	System.gc();	0	0	0	1

4	Compilation error		0	1	0	0
print	main	Object	0	1	0	0
thrown	Integer	Boolean	0	0	1	0
finally	access	exception	0	0	0	0.5
			0	1		

13,13,0

12,13,-1

0

1

0

0

4

2

0

0

0

1

I->III->IV->II

I->II->III->IV

1

0

0

0

1

0

1

0

Statement A is Both
false and Statements A
Statement B is and B are
true false

1

0

0

0

[illegible]

The delay between "Start!" being printed and "Time's Over!" will be 10 seconds plus or minus one tick of the system clock.

If "Time's Over!" is printed, you can be sure that at least 10 seconds have elapsed since "Start!" was printed.

Synchronized classes Synchronized abstract classes Synchronized interfaces

0	0	0	1
0.5	0.5	0	0

1	0
---	---

Runtime Exception	Non of the options	0	1	0	0
----------------------	-----------------------	---	---	---	---

The code executes normally, but nothing is printed.	Compilation fails.	1	0	0	0
---	-----------------------	---	---	---	---

notifyAll()	all the options	0	0	0	1
-------------	-----------------	---	---	---	---

boolean getPriority()	boolean isAlive()	0	0	1	0
--------------------------	----------------------	---	---	---	---

1	0
---	---

BOTH Statement1 & Statement2 are TRUE.	BOTH Statement1 & Statement2 are FALSE.		0	1	0	0
2&3	1&4	2&4	0	0	0	1
The code executes and prints "Runner".	The code executes and prints "RunnerRunn erRunner".		0	0	0	1
The code will cause an error at compile time.	Compilation will cause an error because while cannot take a parameter of true.		0	0	1	0

Three

Four

In Line 4 null
pointer
exception will
occur as
String string
contains null
value

Line 4 has
neither error
nor
exceptions.

0100

0.5000.5

01

01

10

01

None of the
listed options

0010

10

Statement A is Both
false and Statements A
Statement B is and B are
true false

0 1 0 0

foreach Iterator

0 0 0.5 0.5

Creates a
Date object
with current
date and time
as default
value

Creates a
Date object
with current
date alone as
default value

0 0 1 0

C

D

E

0 0 0 1

Object

String

0 0 1 0

0 1

2&3

1&4

2&4

0 0 0 0

Statement A is false and Statement B is true

Both the statements A and B are false.

0 0 0 1

0 1

1 0

1 0

0 1

java.util.Dictionary java.util.HashMap

0 0 0.5 0.5

1 0

1 0

0 1

		0	1		
Object	set1	0	0	1	0
SortedList	SortedQueue	0.5	0.5	0	0
compareTo	compareTo	0	0	1	0
SortedSet	Comparable	0	0	0.5	0.5
The elements in the collection are accessed using a unique key.	HashSet allows at most one null element	0	0.5	0	0.5
		1	0		

Throws Runtime Exception				
	Prints the output [Green World, Green Peace] at line no 9	0	0	1
				0

Compilation error	[abc]	0	1	0	0
Collection The ListIterator interface provides the ability to determine its position in the List.	Sorted Map The ListIterator interface provides forward and backward iteration capabilities.	0	0	0.5	0.5
	all implementations are immutable and supports duplicates data	0.33	0	0.33	0.33
All implementations are serializable and cloneable		0.33	0.33	0.33	0

2&3	1&4	2&4	0	1	0	0
-----	-----	-----	---	---	---	---

6	None of the listed options	0	1	0	0
---	----------------------------	---	---	---	---

1	0
---	---

compilation error	Runtime error	1	0	0	0
-------------------	---------------	---	---	---	---

0	1
---	---

compilation error	Strings cannot be compare using == operator	0	1	0	0
----------------------	--	---	---	---	---

1	0
---	---

x = Rules	Error	0	1	0	0
-----------	-------	---	---	---	---

1	0
---	---

1	0
---	---

<div></div> <div>x = Java</div>	x="JAVA"
---------------------------------	----------

0	0	1	0
---	---	---	---

0

1

Statement I is
FALSE & II is
TRUE

Statement I &
II are FASLE

1

0

0

0

Extracting
strings

All of above

0

0

0

1

Statement I is
FALSE & II is
TRUE

Statement I &
II are FASLE

0

1

0

0

0

1

compilation
error

Strings cannot
be compare
using ==
operator

0

1

0

0

true true	false false	0	1	0	0
-----------	-------------	---	---	---	---

A,C	Runtime error	1	0	0	0
-----	---------------	---	---	---	---

finally	finally exception finished	0	0	0	1
throws Exception	No code is necessary.	0	0	1	0
finally block will be always executed in any circumstances .	The death of the thread	0.33	0.33	0	0.33

hello Math
problem occur
string problem
occur problem
occurs
stopped

hello string
problem occur
stopped

0 0 0 1

1 0

2&3

1&4

2&4

1 0 0 0

RunTimeExcep
tion

FileNotFindEx
ception

0.33 0 0.33 0.33

RunTimeExcep
tion are the
exceptions
which forces
the
programmer
to catch them
explicitly in try-
catch block

RuntimeExcep
tion is a class
of I/O
exception

0.5 0.5 0 0

Compile Time Exception	Runtime Exception	0	0	1	0

Compile time error Cannot use Throwable to catch the exception	Run time error test() method does not throw a Throwable instance	1	0	0	0
ClassNotFoundException	NumberFormatException	0.33	0.33	0	0.33

Compilation error	None of the listed options	0	1	0	0
-------------------	----------------------------	---	---	---	---

NoClassDefFoundError is a subclass of ClassNotFoundException	None of the options	0.5	0.5	0	0
--	---------------------	-----	-----	---	---

1&3	2	2&3	1	0	0	0
catch block is not mandatory always only finally block can be executed	after switching from try block to catch block the control never come back to try block to execute rest of the code		0	0	0.5	0.5

[Redacted]

1&3&4

1&2&4

2&4

0

0

1

0

Demands a
finally block at
line number 4

Demands a
finally block at
line number 5

0

0

0

1

SQLException

NullPointerException

0

0

0

1

3

compilation
error

0

0

0

1

1

0

0

1

1

0

Statement A is Both
false and Statements A
Statement B is and B are
true false

1

0

0

0

Both catch block and finally block can throw exceptions

All of the listed options

0

0

0

1

thrown	catch		0.5	0	0	0.5
			1	0		
throw	throwable		0	0	1	0
			0	1		
Checked exceptions are the object of the Exception class or any of its subclasses except Runtime Exception class.	All runtime exceptions are checked exceptions		0.5	0	0.5	0
			1	0		
throw	RuntimeException		1	0	0	0
			1	0		
2&3	1&4	2&4	0	0	0	0
			0	1		

compilation error	None of the listed options	1	0	0	0
-------------------	----------------------------	---	---	---	---

Runtime error	None of the listed options	0	1	0	0
---------------	----------------------------	---	---	---	---

1	0
---	---

1	0
---	---

statement 1:false statement2:false	statement 1:true statement2:false	0	1	0	0
---------------------------------------	--------------------------------------	---	---	---	---

it has flush()
method

As bytes from
the stream are
read or
skipped, the
internal buffer
is refilled as
necessary
from the
contained
input stream,
many bytes at
a time.

0.33 0.33 0.33 0

1 0

Externalizable None of the
listed options

0 1 0 0

1 0

1 0

File String

0 0.5 0.5 0

ObjectFilter FileFilter

0 0 1 0

1&3&4 1&2&4 2&4

0 0 1 0

1 0

91,97		97,91				0	0	0	1
compilation error	None of the listed options	0	1	0	0				
Runtime Error	compiles and prints 12	1	0	0	0				
code will execute with out printing	runtime Exception	0	1	0	0				

Primitive	Wrapper Primitive	None Of the options	1	0	0	0
12	None of the listed options		0	1	0	0
continue	new	none	0	1	0	0
			1	0		
Both A and B	None of the above		0	1	0	0
ODBC written in C++ language	ODBC written in Basic language		1	0	0	0

2&3	1&4	2&4	0	0	1	0	
Type 3 driver	Type 4 driver		0	0	0	1	
Parameterized Statement and CallableStatement	(i.e. which implement a sub interface of Statement)		1	0	0	0	
Connection()	getConnection()		0	0	0	1	

Class.forName must be mentioned after Connection statement	"SELECT * FROM Person" query must be passed as parameter to con.createStatement()	0	1	0	0	
--	---	---	---	---	---	--

		1	0		
Call method execute() on a StoredProc ure object	Call method run() on a ProcedureCo mmand object	1	0	0	0
Statement A is False and Statement B is True.	Both Statements A and B are False.	1	0	0	0
Connection cn=DriverMan ager.getConnection("jdbc:o dbc ","username", "password");	Connection cn=DriverMan ager.getConnection("jdbc:o dbc:dsn" ,"username", "password");	0	1	0	0
java.sql.Time	java.sql.Times tamp	0	0	0	1
execute()	noexecute()	0	0	1	0
pkg.sql	java.sql	0	0	0	1
setString()	setToString()	0	0	1	0

DDL statements cannot be executed by making use of JDBC, you should use the native database tools for this.	Support for DDL statements will be a feature of a future release of JDBC	1	0	0	0
paused	stopped	1	0	0	0
		1	0		
TableStatement	Condition	1	0	0	0
		0	1		
PreparedStatement	Condition	0	0	1	0
execute()	noexecute()	0	1	0	0
java.sql and javax.sql	java.rdb and javax.rdb	0	0	1	0
select ename ,sal ,deptno from emp a where a.sal <= (select avg(sal) from emp b where a.deptno = b.deptno) order by deptno;	select ename ,sal ,deptno from emp a where a.sal in (select avg(sal) from emp b where a.deptno = b.deptno) order by deptno;	1	0	0	0

2&3	1&4	2&4	1	0	0	0
-----	-----	-----	---	---	---	---

Department Marketing Marketing Sales Sales	Cannot predict the output of the query		0	1	0	0
---	--	--	---	---	---	---

3443500	3443500	344350	0	1	0	0
---------	---------	--------	---	---	---	---

adds 10 days to the current Timestamp	query contains error	date functions cannot be converted into char	0	1	0	0
---	-------------------------	---	---	---	---	---

Entity Integrity	Table Integrity		1	0	0	0
------------------	-----------------	--	---	---	---	---

The above query contains an error	5	20	1	0	0	0
---	---	----	---	---	---	---

Prints -1	Prints 6	Prints 14	0	1	0	0
-----------	----------	-----------	---	---	---	---

All supplier record whose name starts with % will be displayed	All supplier record whose name starts with ! will be displayed	None of the listed options	0	0	1	0
Statement A is false and Statement B is true	Both Statements A and B are false		1	0	0	0
Query will generate an error	If LINE 1 is removed than the query will execute		0	1	0	0
Flashback Query does not apply to code objects like Packages, Procedures, Function or Triggers	None of the listed options		0	1	0	0
Create sequence MySeq (Start with 2 Increment by 2)	Create sequence MySeq Start with 2 Increment by 2	Create sequence MySeq as Start with 2 Increment by 2	0	0	0	1
			1	0		
It would be created and would use an automatically created nonunique index.	It would be created and remains in a disabled state because no index is specified in the command.		0	1	0	0

It would remain disabled and has to be enabled manually using the ALTER TABLE command.	It would remain disabled and can be enabled only by dropping the foreign key constraint and re-creating it.	It would remain disabled and has to be enabled manually using the ALTER Constraint command.				
			0	0	1	0
Start an instance, Mount the database, Open the database	Start the database, Start the instance, Mount the Database		1	0		
			0	0	1	0
SYSDBA FILE	PFile		0	1	0	0
WITH GRANT OPTION should be added to the statement.	Separate GRANT statements are required for ORDERS and SUPPLIERS tables.		0	0	0	1
Shared Pool	Library Cache		0	0	1	0

One or more columns are frequently used together in a where clause or a join condition.	The table is large and most queries are expected to retrieve less than 2 to 4 % of the rows.	All of the listed options	0	0	0	0
A synonym with the name User is created and only system can use it	A synonym with the name User is created and any user can access it	Incorrect syntax to create a synonym	0	0	1	0
			1	0		
			1	0		
DROP ALL_TABLE_ RECYCLEBIN	DROP DBA_RECYCLEBIN	Cannot drop tables from Recycle Bin	1	0	0	0
UNDO_RETENTION	DBA_UNDO_EXTENTS		0	0	1	0
			1	0		
Statement B is true and A is False.	Both statements A and B are False.		1	0	0	0

Selection, Intersection, Join	Intersection, Projection, Join	1	0	0	0
-------------------------------------	--------------------------------------	---	---	---	---

You specify an equijoin condition in the SELECT or FROM clauses of a SELECT statement.	To join two tables through an equijoin, the columns in the join condition must be primary key an foreign key columns.	<p>You can join "n" tables(all having single column primary keys)in a SQL statement by specifying a minimum of "n-1" join conditions.</p>			
		0	0	0	0

Select count(*) from emp where sal > (select Average(sal) from emp);	Select count(*) from emp where sal exist (select avg(sal) from emp);	Select count(*) from emp where sal in (select avg(sal) from emp);			
select empName , empNo from emp where empno in (select deptNo from dept)	select empName , empNo from emp where empno has Any (select deptNo from dept)	select empName , empNo from emp where empno between (select deptNo from dept)	0	1	0
			0	0	1
			0	0	0

1	0
---	---

Both statements A and B are true.	Both statements A and B are false.	0	1	0	0
-----------------------------------	------------------------------------	---	---	---	---

You want all matched data from both tables.	You want all unmatched data from both tables.	You want all matched and unmatched data from only one table.	0	0	0	1
---	---	--	---	---	---	---

Non Equi Join	Invalid Syntax for Join	Inner Join	0	0	1	0
---------------	-------------------------	------------	---	---	---	---

Both statements A and B are true.	Both statements A and B are false.		0	0	1	0
-----------------------------------	------------------------------------	--	---	---	---	---

2&3	1&4	2&4	1	0	0	0
-----	-----	-----	---	---	---	---

2&3	1&4	2&4	0	0	0	0
-----	-----	-----	---	---	---	---

applesauce	None of the listed option	0	0	1	0
The same parameter will serve as input and output.	The IN parameter is a variable whose value will change in the invoked procedure.	0.5	0.5	0	0
The EXIT-WHEN statement replaces a simple IF statement.	None of the above	0	0.5	0.5	0
NULL		0.33	0.33	0.33	0
Column constraints, such as the NOT NULL and check constraint, or default values are inherited by items declared using %TYPE.	%TYPE is used when declaring variables to hold database table values	0.33	0.33	0	0.33
		1	0		

if you change the database definition of last_name, perhaps to make it a longer character string, the datatype of v_last_name changes accordingly at run time.

faster processing

1 0 0 0

0 1

Employee name whose employee no is 101172 is printed if serveroutput is on

The code does not compile at all

Compiles and runs without any output

0 0 0 1

NULL

BLANK SPACE

0 0 1 0

1 0

string

character

0 1 0 0

			1	0		
1&3&4	1&2&4	1&3&5	0	0	0	0
Displays nothing	Leads to Exception		0	1	0	0
	DBMS_OUTPUT.PUT_LINE(' The employee name is : X')					
DBMSOUTPUT.PUT_LINE			0.5	0	0	0.5
%TYPE variables do not inherit default values	%TYPE variables inherit default values		0.33	0.33	0.33	0

Compiles , executes and Prints 100	Compiles , executes and Prints 50	Compilation fails due to error on line 1	0	0	0	1
			1	0		
table	nested table		0.5	0	0.5	0
Return FALSE if a successful fetch has been executed.	Return the number of rows fetched		0.5	0	0.5	0
A primary key can be referenced in another table as a Foreign Key.	In a table, if no single column can be assigned uniquely as primary key, then a combination of two columns can act as a Primary Key.		0	1	0	0
Invalid Variable declaration	Global Variable	None of the listed options	1	0	0	0
Varrays	None of the listed option		0	1	0	0

1234.5567

1.2345567

1

0

0

0

Only Statement2 is False.

Statement1
and
Statement2
are False.

0

0

0

1

Compiles
executes and
prints 12 Less

Compiles
executes and
prints 12 More

Compiles
executes and
prints 11 12
13 More

0

0

1

0

The ELSE clause does not work similarly to the ELSE clause in an IF statement	CASE statements can be labeled	0.33	0.33	0	0.33
%(percent sign)	*(asterisk)	0.5	0	0.5	0
		1	0		
A package can be invoked by itself. CONSTANT max_days_in_year INTEGER := 366; Value before change (:OLD) : Null Value After change (:NEW) : Not Null	The Subprograms that are present inside a package cannot exist separately as database objects.	0.5	0	0	0.5
None of the listed options	None of the above	0	1	0	0
		0	1	0	0

A GOTO statement can transfer control into an exception handler.	A GOTO statement cannot transfer control out of a subprogram.	0.5	0	0	0.5
When an EXIT statement is encountered, the loop completes immediately and control passes to the end of the program	When an EXIT statement is encountered, the loop does not get completed immediately and control passes to the end of the program	0.5	0.5	0	0
SELF_IS_NULL	PROGRAM_ERROR	0	1	0	0
(i) & (ii)	None of the listed option	1	0	0	0
procedures	functions	0.25	0.25	0.25	0.25
		1	0		
The VALUES clause of the INSERT statement	The SET clause of the UPDATE statement	0.25	0.25	0.25	0.25

IN OUT	None of the listed option	0	0	1	0
Exception	All Listed options	0	0	0	1
CREATE OR REPLACE TRIGGER check_sal BEFORE UPDATE OF sal ON emp WHEN (new.sal < old.sal OR new.sal > old.sal * 1.1) BEGIN RAISE_APPLICATION_ERROR (- 20508, 'Do not decrease salary not increase by more than 10%'); END;	CREATE OR REPLACE TRIGGER check_sal AFTER UPDATE OR sal ON emp WHEN (new.sal < old.sal OR new.sal > old.sal * 1.1) BEGIN RAISE_APPLICATION_ERROR (- 20508, 'Do not decrease salary not increase by more than 10%'); END;	None of the listed options	0	1	0
no error	None of the listed option	0	1	0	0

result in mutating table error

None of the listed option

0010

combined(positional and named)

None of the listed option

10

0010

01

FOR EACH ROW trigger on the AUDIT_TABLE table.

Statement-level trigger on the AUDIT_TABLE table.

FOR EACH ROW statement-level trigger on the EMP table.

1000

2&3	1&4	4&5	0	0	0	0
2&3	3&4	2&4	0	0	0	1
			1	0		
dbms_output. put_line(second_rec.first_rec .var1);	dbms_output. put_line(second_rec.nested_ rec.var1);	dbms_output. put_line(second_rec.nested_ rec.first_rec.v ar1);	0	0	0	1
Trigger event	Trigger timing	None of the listed options	1	0	0	0

datatype of the parameter	optional value for the parameter	0.5	0.5	0	0
PL/SQL procedure Can contain a RETURN statement with a single value	RETURN statement Not allowed in PL/SQL procedure	1	0	0	0
The package specification may also include PRAGMAs, which are directives to the compiler	PRAGMAs are not allowed as part of package specification	0.33	0.33	0.33	0
combined(positional and named)	None of the listed option	1	0	0	0
ALTER TABLE employees DISABLE ALL TRIGGERS;	None of these commands; you cannot disable multiple triggers on a table in one command.	0	0	1	0
USER_OBJECTS	USER_SOURCES	0.33	0.33	0.33	0

Syed, Sheela,Raji, Veena	Raji, Syed, Sheela, Veena	No output is displayed.	0	0	1	0
			1	0		
Functions called from: • A SELECT statement can contain DML statements	Functions called from: An UPDATE or DELETE statement on a table T can query or contain DML on the same table T		0.5	0.5	0	0
The trigger fails because a SELECT statement on the table being updated is not allowed.	The trigger fails because you cannot use the minimum and maximum functions in a BEFORE UPDATE trigger.		0	1		
			0	0	1	0

IN	None of the listed option	0	0	1	0
Using the %ROWTYPE definition	the parameter size specification	0.33	0.33	0.33	0

The program will be terminated abruptly.	TOO MANY ROWS exception will be raised	0	1	0	0
--	--	---	---	---	---

No problem in the trigger. It gives the desired result	Replacing RAISE_APPLICATION_ERROR(-20000, 'no negative age allowed'); to RAISE_APPLICATIONS_ERROR(-20000, "no negative age allowed"); will give the desired output	Replacing RAISE_APPLICATION_ERROR(-20000, 'no negative age allowed'); to RAISE_APPLICATION_ERROR(-20000, "no negative age allowed"); will give the desired output	0	0	1	0
--	--	---	---	---	---	---

			0	1		
Open , Fetch , Close	Declare , Fetch , Open Fetch	Define , Open , Fetch , Close	0	1	0	0
Two types of cursors are 1) Strongly typed and 2) Weakly Typed.						
	Null cannot be assigned to a cursor variable		0.33	0	0.33	0.33
Open statement retrieves the rows from the cursor and will process it.	The active set pointer is set to the second row.		0.5	0.5	0	0
The lock will not be released even if we issue ROLLBACK or COMMIT .	None of the above		0.5	0.5	0	0

	Replace the code as				
	declare				
	EnameUser				
	Emp.ename%				
	type; MrgUser				
	Emp.Mrg%typ				
Replace the	e; cursor c1 is				
above code as	select				
declare	EnameUser,M				
enameUser	rgUser from				
Emp.ename%	Emp; begin				
type; MrgUser	open c1; loop				
Emp.Mrg%typ	fetch c1 into				
e; begin select	EnameUser,M				
ename,Mrg	rgUser; exit				
into	when				
enameUser,M	c1%NOTFOU				
rgUser from	ND;				
Emp;	dbms_output.				
dbms_output.	put_line('				
put_line('Empl	Employee				
oyee	' EnameUser				
' enameUser	' Works for				
' Works for	' MrgUser);				
' MrgUser);	end loop;				
end; /	close c1; end;	1	0	0	0
create or	create or				
replace	replace				
procedure	procedure				
prcEmp_detail	prcEmp_detail				
s(EmpName	s(EmpName				
varchar2	varchar2				
OUT) as begin	OUT) as begin				
declare cursor	declare cursor				
c1 is select *	c1 is select *				
from Emp	from Emp				
where	where				
Ename=Emp	Ename=Emp				
Name; begin	Name; begin				
for rec in c1	for rec in c1				
LOOP	LOOP				
dbms_output.	dbms_output.	None of the			
put_line(rec.e	put_line(c1.en	listed options			
name '	ame '	as procedures			
' rec.empNO	' c1.empNO '	cannot be			
' rec.Mrg);	' c1.Mrg); end	created for			
end loop; end;	loop; end;	select			
end;	end;	statement	1	0	0

```

DECLARE
CURSOR
DECLARE occupancy_cu
CURSOR r IS SELECT
occupancy_cu pet_id,
r IS SELECT room_number
pet_id, FROM
room_number occupancy
FROM WHERE
occupancy occupied_dt =
WHERE SYSDATE;
occupied_dt = BEGIN OPEN
SYSDATE; occupancy_cu
BEGIN FOR r FOR
occupancy_re occupancy_re
c IN c IN
occupancy_cu occupancy_cu
r LOOP r LOOP
update_bill update_bill
(occupancy_r (occupancy_r
ec.pet_id, ec.pet_id,
occupancy_re occupancy_re
c.room_numb c.room_numb
er); END er); END
LOOP; LOOP;
CLOSE CLOSE
occupancy_cu occupancy_cu
r; END; r; END;
DECLARE
exception_na
me
DECLARE
EXCEPTION exception_na
PRAGMA me
EXCEPTION_ EXCEPTION
INIT PRAGMA
(exception_na EXCEPTION_
me , INIT
err_code); (exception_na
Begin me); Begin
Execution Execution
section section
Exception Exception
WHEN WHEN
PRAGMA exception_na
exception_init me THEN
THEN Handle the
the exception exception
END; END;

```

0

1

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1

0

0

Whenever a DML statement (INSERT, UPDATE and DELETE) is issued, an implicit cursor is not automatically associated with this statement	The implicit cursor is declared in the declaration section.	0.5	0.5	0	0
--	---	-----	-----	---	---

Result is 0	Compilation fails	0	0	0	1
-------------	-------------------	---	---	---	---

0	1
---	---

An software application links up with a Active data objects, there is a not much performance value to be paid. Not only that, programs that continually switch off between code and SQL can become quite complex.	Every time a software application connect up with a database, there is a performance value to be paid. Not only that, programs that continually switch off between code and SQL can become quite complex.		0	0	0	1
1&3&4	1&2&4	1&3&5	0	0	0	1
Statement A is True and B is False.	Both statements A and B are True. When Programmer needs to define a customized structure for accessing /storing data.		0	0	0	1
Failing to do this will result in an error .			0	0.5	0	0.5

Compiles , executes prints 3 Delhi 2	Compiles , executes prints 3 Delhi Mumbai	Compiles , executes prints 3 Delhi Delhi	0	1	0	0
1&3&4	1&2&4	1&3&5	0	0	0	0
Compilation fails due to error on line 3	Compilation fails due to error on line 4	Compiles , executes and prints 1 2 3 4 5 6 7	0	0	0	1

Compiles , executes and prints 1 , 2, ,3 ,4, 5, 6, 7	Compiles , executes and prints 1 , 2, ,3 ,4, 5, 6	Compiles , executes and prints 2, ,3 ,4, 5, 6, 7	0	0	0	1	
Custom Record	Simple Record		0	0	1	0	
Associative Array	None of the above		0.5	0.5	0	0	
If v2:=ABC(); is removed than the code will compile and print 78	Compiles fine and prints the output as 78	Compiles fine and prints the output as 1	0	0	0	1	

Compiles and prints 10	Compiles and prints 1	Compiles and runs without any output	0	0	1	0
Statement A is True and B is False.	Both statements A and B are True.		0	0	0	1
Statement A Is false and B is True	Statement A is True and B is False		0	1	0	0
Varray	None of the above		0	0	1	0
1. Add a new genre. 2. Is this genre id already in the collection? 3. **Add** another element to the varray. 4. Display the total # of elements.	1. Add a new genre. 2. Display the total # of elements. 3. **Add** another element to the varray. 4. Is this genre id already in the collection?		0	0	1	0
			1	0		
<input>	<h1>		0	1	0	0

Alternative text to be displayed if the image is not displayed	None of the listed options	0	0	1	0
Attribute is a type of tag	None of the listed options	0	1	0	0
frames	None of the listed options	0	1	0	0
By using colspan	By using rowspan	0	1	0	0
2&3	1&4	1	0	0	0
nanoseconds	milliseconds	1	0	0	0
value	http-equiv	0	0	1	0
		1	0		
1&3&4	1&2&4	0	0	0	1
	1&3				

Both I & II	None of the listed options		1	0	0	0
Both I & II	None of the listed options		1	0	0	0
Text	All of the listed options		0	1	0	0
Both I & II	None of the listed options		1	0	0	0
Both I & II	None of the listed options		1	0	0	0
Both I & II	None of the listed options		1	0	0	0
			1	0		
1&3&4	1&2&4	1&3	0	0	1	0

It will display some error message on browser	None of the listed options	0	1	0	0
<?xml version="1.0" />	None of the listed options	0	1	0	0
<! ELEMENT element-name(element-content)!>	None of the listed options	1	0	0	0
<message> if price < 60</message>	None of the listed options	0	0	1	0
Dynamic Type Definition	None of the listed options	0	1	0	0
An Application can use the DTD to validate the XML structure it has received from external systems	All of the listed options	0	0	0	1
Both I & II Example Markup Language	None of the listed options	0	1	0	0
	X-Markup Language	0	1	0	0
XHTML	None of the listed options	0	1	0	0

2&3	1		1	0	0	0
XML	None of the listed options		0	1	0	0
XML	None of the listed options		0	1	0	0
XML	None of the listed options		0	1	0	0
DocumentBuilder b=factory.newDocumentBuilder(); Extensible Style Sheet Language DocumentBuilderFactory f=DocumentBuilderFactory.newInstance();	None of the listed options		0	0	1	0
XSL-FO	None of the listed options		0	0	1	0
XSL	None of the listed options		0	1	0	0
1&3 Java API for XML Processing	1		0	0	1	0
	None of the listed options		0	0	1	0

javax.parsers. xml.*;	None of the listed options	1	0	0	0
--------------------------	-------------------------------	---	---	---	---

<pre><xs:complexType name="CountryInfo"> <xs:sequence> <xs:element name="countryName" type="xs:string" /> <xs:element name="states" type="xs:integer" /> </xs:sequence> </xs:complexType></pre>	None of the listed options	0	0	1	0
---	-------------------------------	---	---	---	---

<pre><xs:element name="CountryName" type="xs:string" fixedvalue="India"/></pre>	None of the listed options	0	1	0	0
---	-------------------------------	---	---	---	---

<pre><xs:complexType name="CountryInfo"> <xs:sequence> <xs:element name="countryName" type="xs:string" /> <xs:element name="states" type="xs:integer" /> </xs:sequence> </xs:complexType></pre>	None of the listed options	0	1	0	0
---	-------------------------------	---	---	---	---

1

0

1&3

3

0

1

0

0

testSomething deleteOutputF
WithFile() ile()
createOutputF createOutputF
ile() ile()
deleteOutputF testSomething
ile() WithFile()

0

1

0

0

2&3

1&4

1

0

0

0

			1	0		
1&3&4	1&2&4	1&3	0	1	0	0
Possible performance bottlenecks	All of the listed options		0	0	0	1
Checkstyle	CPD		1	0	0	0
1&3&4	1&2&4	1&3	0	0	1	0
Improves Easy Maintenance	All of the listed options		0	0	0	1
Refactor > Extract method	Refactor > move Method		1	0	0	0
2&3	1&4		0	0	0	1

2&3	2&4			0	0	0	1
1&3	3			0	0	1	0
1&3&4	1&2&4	1&3		0	0	1	0
SCM	HCM			0	0	1	0
static block code	private method			0	0	1	0
Two thread in Java can have same priority	A thread can exist only in two states, running and blocked.			0	0	0	1
Synchronization	Deserialization			0	1	0	0

		1	0		
Collection APIs	None of the listed options	1	0	0	0
CallableState ment	None of the listed options	0	0	1	0
If the hashCode() comparison == returns true, the equals() method must return true	If the hashCode() comparison == returns true, the equals() method might return true	0	0.5	0	0.5
When designing your own collections class (say, a linked list), generics and parameterized types allow you to achieve type safety with just a single class definition as opposed to defining multiple classes.	All of the mentioned	0	0	1	0

java.util.List					
	java.util.Array List	0	0	0	1
Using object deserialization	None of the listed options	1	0	0	0
CallableState ment	None of the listed options	0	1	0	0
java.util.List	java.util.Collec tion	0	1	0	0
Implement using file API's	None of the listed options	0	1	0	0

DataSource	Statement	0	1	0	0
------------	-----------	---	---	---	---

Make Employee class methods private	Make Employee class methods public	1	0	0	0
-------------------------------------	------------------------------------	---	---	---	---

Declare the ProgrammerAnalyst class has final	None of the listed options	0	0	1	0
---	----------------------------	---	---	---	---

None of them will be executed	It is dependent on the operating system.	0	0	0	1
-------------------------------	--	---	---	---	---

		1	0		
--	--	---	---	--	--

java.lang.StringBuffer	java.lang.Character	0	0	1	0
------------------------	---------------------	---	---	---	---

		1	0		
--	--	---	---	--	--

Reduces effort to learn and use new APIs	Fosters software reuse	All of the listed options	0	0	0	0
--	------------------------	---------------------------	---	---	---	---

LinkedHashMap	Non of the listed options		1	0	0	0
---------------	---------------------------	--	---	---	---	---

Check whether you have marked Customer class methods with synchronized keyword	None of the listed options		1	0	0	0
--	----------------------------	--	---	---	---	---

			1	0
--	--	--	---	---

```

DECLARE
TYPE
EmpRec IS
RECORD (
emp_id
emp.empno%
TYPE,
job_title
VARCHAR2(9
), salary
NUMBER(7,2)
); emp_info
EmpRec;
emp_null
EmpRec;
BEGIN
emp_info.emp
_id := 7788;
emp_info.job_
title :=
'ANALYST';
emp_info.sala
ry := 3500;
emp_info :=
emp_null;
END;

```

None of the
above

0 0 1 0

1 0

```

CREATE
TRIGGER
AFTER
SERVERERR
OR ON
DATABASE
BEGIN IF
(IS_SERVER
ERROR
(1017)) THEN
<special
processing of
logon error>
ELSE <log
error number>
END IF; END;

```

None of the
above

0 1 0 0

Use database Indexes	Use database Trigger	0	1	0	0
Create index	Create Trigger	0	0	1	0

```

REPLACE
PACKAGE
employee_pac
kage AS
TYPE
t_ref_cursor
IS REF
CURSOR;
TYPE
emp_rec IS
RECORD (
employeeid
NUMBER,
firstname
VARCHAR2,
lastname
VARCHAR2,
salary
NUMBER);
minimum_cou
nt
CONSTANT
NUMBER :=
4; FUNCTION
get_employee
RETURN
emp_rec;
PROCEDURE
update_salary
(employeeid
IN NUMBER);
END

```

None of the
listed options

0

1

0

0

Easier
maintenance.
If a business
policy
changes, you
need to
change only
the

corresponding
trigger
program
instead of
each
application
program.

Improve
performance
in client/server
environment.
All rules run in
the server
before the
result returns.

All of the listed
options

0

0

0

0

NO_DATA_FOUND	VALUE_ERROR	0	1	0	0
---------------	-------------	---	---	---	---

1	0		
---	---	--	--

"Expressions have to be of SQL types"	None of the listed options	0	0	1	0
---------------------------------------	----------------------------	---	---	---	---

SELECT dept_id, MIN(salary), MAX(salary) FROM employees HAVING MIN(salary) < 2000 AND MAX(salary) > 5000	SELECT dept_id, MIN(salary), MAX(salary) FROM employees GROUP BY dept_id HAVING MIN(salary) < 2000 AND MAX(salary) > 5000	0	0	0	1
--	---	---	---	---	---

1	0
---	---

Functions	Cursors	None of the listed options	1	0	0	0
-----------	---------	----------------------------	---	---	---	---

"Reference to uninitialized collection"

None of the listed options	0	0	1	0
----------------------------	---	---	---	---

```

REPLACE
PROCEDURE
get_Coursena
me(p_studenti
d IN
TBL_students.
studentid%TY
PE) AS
v_coursenam
e
VARCHAR2(1
0); CURSOR
c_course_na
me IS
SELECT
co.coursenam
e FROM
TBL_students
s, courses co ,
enrollments e
WHERE
s.studentid =
p_studentid
AND
s.studentid =
e.studentid
AND
e.courseid =
co.courseid;
BEGIN FOR
v_rec_course
name IN

```

None of the
listed options

1

0

0

0

Use database
functions

Use database
Trigger

1

0

0

0

CREATE TABLE EMP (empno NUMBER(4), ename VARCHAR2(3 5), deptno NUMBER(7,2) NOT NULL, CONSTRAINT emp_deptno_f k FOREIGN KEY(deptno) REFERENCE S dept(deptno))	CREATE TABLE EMP (empno NUMBER(4), ename VARCHAR2(3 5), deptno NUMBER(7,2) FOREIGN KEY CONSTRAINT emp_deptno_fk REFERENCE S dept(deptno))	0	0	1	0
REPLACE PROCEDURE Available_maj or(p_course courses.cours ename%TYPE E) IS v_courseid NUMBER; v_coursenam e VARCHAR2(2 0); v_deptid NUMBER; BEGIN SELECT courseid ,departmentid, coursename INTO v_courseid,v_ deptid,v_cours ename FROM courses WHERE coursename like p_course '%'; DBMS_OUTP UT.PUT_LINE ('Course Available with	None of the listed options	1	0	0	0


```
REPLACE
PROCEDURE
proc_get_details(p_grade IN
TBL_GRADE.
grade%TYPE)
AS
v_studentid
NUMBER;
v_coursename
VARCHAR2(10); v_grade
NUMBER;
CURSOR
c_grade IS
SELECT
g.studentid,
co.coursename FROM
TBL_GRADE
g, COURSES
co WHERE
g.courseid =
co.courseid
AND g.grade
= p_grade;
BEGIN OPEN
c_grade;
LOOP FETCH
c_grade INTO
v_studentid ,
IF
old_company_
rec.name =
new_company_
_rec.name
AND
old_company_
rec.incorp_date =
new_company_
_rec.incorp_date AND
old_company_
rec.address1
=
new_company_
_rec.address1
AND THEN ...
the two
records are
identical ...
END IF;
```

None of the listed options

0 0 1 0

Records cannot be compared with each other.

0 0 1 0

SUBSCRIPT_					
BEYOND_CO	None of the				
UNT	listed options	0	1	0	0
REPLACE					
TRIGGER					
salary_change					
s BEFORE					
DELETE OR					
INSERT OR					
UPDATE ON					
TBL_EMPLO					
YEEs					
DECLARE					
sal_diff					
NUMBER;					
BEGIN					
sal_diff :=					
:NEW.salary -					
:OLD.salary;					
DBMS_OUTP					
UT.PUT(:OLD					
.firstname ',' :					
OLD.lastname					
':');					
DBMS_OUTP					
UT.PUT('Old					
salary = '					
:OLD.salary					
', ');					
DBMS_OUTP					
UT.PUT('New					
salary = '					
:NEW.salary					
', ');					
DBMS_OUTP		1	0	0	
Network					
bandwidth	Improved				
conservation	security	All of the listed options	0	0	0

```

REPLACE
PROCEDURE
get_studentna
me(p_studenti
d IN
TBL_students.
studentid%TY
PE) AS
v_firstname
VARCHAR2(1
0);
v_lastname
VARCHAR2(1
0); CURSOR
c_student_na
me IS
SELECT
firstname,
lastname
FROM
TBL_students
WHERE
studentid =
p_studentid;
BEGIN OPEN
c_student_na
me; LOOP
FETCH
c_student_na
me INTO
v_firstname;
EXIT WHEN

```

None of the
listed options

0

1

0

0

```

SELECT
ABS("-80")
Absolute
FROM DUAL

```

```

SELECT
ABS('-80')
Absolute
FROM DUAL

```

1

0

0

0

Implement
using
functions

Implement
using triggers

0

0

0

1

```

DECLARE      c_id
c_id         customers.id
customers.id %type;
%type;      c_name
c_name       customers.na
customers.na me%type;
me%type;     c_addr
c_addr       customers.ad
customers.ad dress%type;
dress%type;  CURSOR
CURSOR       c_customers
c_customers  is SELECT id,
is SELECT id, name,
name,        address
address      FROM
FROM         customers;
customers;   BEGIN LOOP
BEGIN OPEN   FETCH
c_customers; c_customers
LOOP FETCH  into c_id,
c_customers c_name,
into c_id,  c_addr;
c_name,     dbms_output.
c_addr;     put_line(c_id ||
dbms_output. ' ' || c_name || '
put_line(c_id || ' ' || c_addr);
' ' || c_name || ' EXIT WHEN
' || c_addr); c_customers
END LOOP;    %notfound;
CLOSE       END LOOP;
c_customers; CLOSE
END; /       c_customers;

```

0 1 0 0

The
DESCRIBE
Dept
statement
displays the
structure of
the Dept table

The Describe
Dept
statement
returns an
error ORA-
04043: object
Dept does not
exist.

only if there is
a
COMMITstate
ment
introduced
before the
ROLLBACK
statement.

1 0 0 0

TYPE TimeTyprec IS RECORD (minutes DATE, hours DATE); TYPE Meetingmode IS RECORD (day DATE, time_of TimeTyprec, dept TBL_departm ents%ROWT YPE, place VARCHAR2(2 0), purpose VARCHAR2(5 0)); TYPE ToMeet IS RECORD (day DATE, time_of TimeTyprec, dept TBL_departm ents%ROWT YPE, time SMALLINT); meeting Meetingmode; seminar	TYPE TimeTyprec IS RECORD (minutes DATE, hours DATE); TYPE Meetingmode IS RECORD (day DATE, time_of TimeTyprec, dept TBL_departm ents%ROWT YPE, place VARCHAR2(2 0), purpose VARCHAR2(5 0)); TYPE ToMeet IS RECORD (day DATE, time_of DATE, dept TBL_departm ents%ROWT YPE, place VARCHAR2(2 0), purpose VARCHAR2(5 0)); meeting Meetingmode;	0	0.5	0.5	0
--	--	---	-----	-----	---

Use Aggregate function along with ORDER BY clause in query to retrieve result	None of the listed options	1	0	0	0
---	-------------------------------	---	---	---	---

```

CURSOR c1
is SELECT
employeeid,
firstname||', '||l
astname
"Name" ,
salary FROM
tbl_employees
ORDER BY
salary DESC;
v_employeeid
NUMBER;
v_name
VARCHAR2(3
0); v_salary
NUMBER;
BEGIN OPEN
c1; FETCH c1
INTO
v_employeeid,
v_name,
v_salary;
INSERT INTO
temp VALUES
(v_employeeid
, v_name,
v_salary);
EXIT WHEN
c1%NOTFOU
ND; COMMIT;
END LOOP;
CLOSE c1;

```

None of the
listed options

1

0

0

0

Create index Create Trigger

0

1

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0

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1

1

0

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1

```
BEGIN
SELECT
pkg_var.dum
my_var INTO
x FROM
DUAL;
DBMS_OUTP
UT.put_line
(x); END;
```

None of the
listed options

Iterator

Abstract
Factory

1

0

1

0

0

0

1

0

0

1

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0

1

0

Chain of Responsibility	Bridge Pattern	0	1	0	0
----------------------------	----------------	---	---	---	---

		1	0		
--	--	---	---	--	--

Abstract Factory	MVC	1	0	0	0
---------------------	-----	---	---	---	---

Model - View - Controller	Transfer Object	1	0	0	0
------------------------------	--------------------	---	---	---	---

Composite Pattern	Adapter Pattern	1	0	0	0
Behavioral Pattern	Non of the options	0	0.5	0.5	0
Minimizes the latency and server resource usage	It increases the network performance by introducing multiple fine grained remote requests	0.5	0	0.5	0
Template Method Pattern	MVC Pattern	0	1	0	0

Proxy Pattern	Template Pattern		1	0	0	0
Cohesion is clear separation of related functionality into distinct modules, Components , or classes.	Cohesion maximizes code reusability	Cohesion is the OO principle most closely associated with allowing an object to have many types	0	0.33	0.33	0.33
Façade	Service Locator		1	0	0	0

To implement singleton pattern, we create static reference to the singleton instance and return a reference to that instance from a static instance() method	the implementation code for Singleton pattern : public class PrinterSingleton { public PrinterSingleton instance = null; private PrinterSingleton () { } public PrinterSingleton getInstance() { if(instance == null) { instance = new PrinterSingleton (); } return instance; } }				
	ApplicationContext is the example of Singleton Pattern	0.25	0.25	0.25	0

0

1

Grade5	AnswerDescri ption	QuestionMedia	AnswerMedia	Author	Reviewer	Is Numeri
--------	-----------------------	---------------	-------------	--------	----------	-----------

0		TEXT	TEXT			
---	--	------	------	--	--	--

		TEXT	TEXT			
--	--	------	------	--	--	--

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