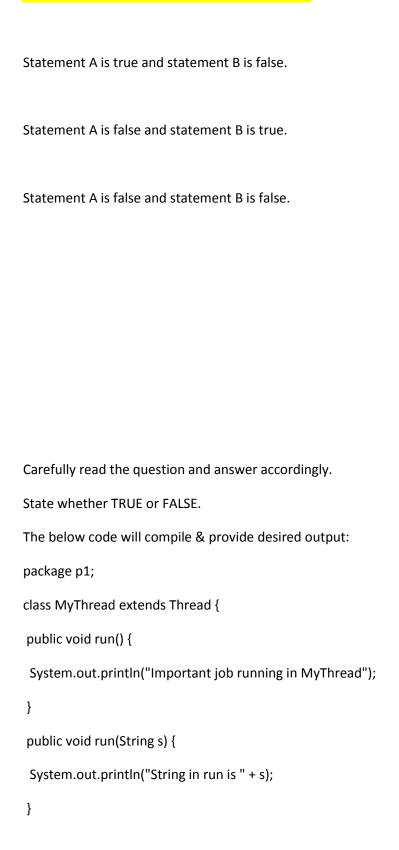
Which of the following variable represents the uncaught throwable object that
resulted from a call to the error page in JSP?
Application
Config
(Ans:Exception)
Request
Statement A: A tag library descriptors an XML document that contains information about a
library as a whole and about each tag contained 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 statements?

Ans:Statement A is true and statement B is true.



```
}
class Test {
public static void main(String[] args) {
 MyThread t1=new MyThread();
 t1.start();
}
Ans TRUE and output="Important job running in MyThread"
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 abstract class
Ans:Statement I & II are TRUE
Statement I is TRUE & II is FALSE
Statement I is FALSE & II is TRUE
```

Statement I & II are FASLE

Which one is required as a sub-element of listener tag in Deployment Descriptor?

Ans: stener-class>

None of the listed options
Select the benefit of using Transfer Object design pattern
Ans: 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
Ans: Minimizes the latency and server resource usage
It increases the network performance by introducing multiple fine grained remote requests
PLSQL
Which of the following statements are true?
Ans: 1.A collection is an ordered group of elements, all of the same type
Ans 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
Ans: 4.Records are composite types that have internal components that can be manipulated individually
Ans: 5.Nested Table is also known as associative arrays

Which of the following are abstract classes?
1 <mark>.Reader</mark>)
2.InputStreamReader
3.(nputStream)
4. OutputStream
1&2
1&2&3
(Ans:1&3&4)
1&2&4

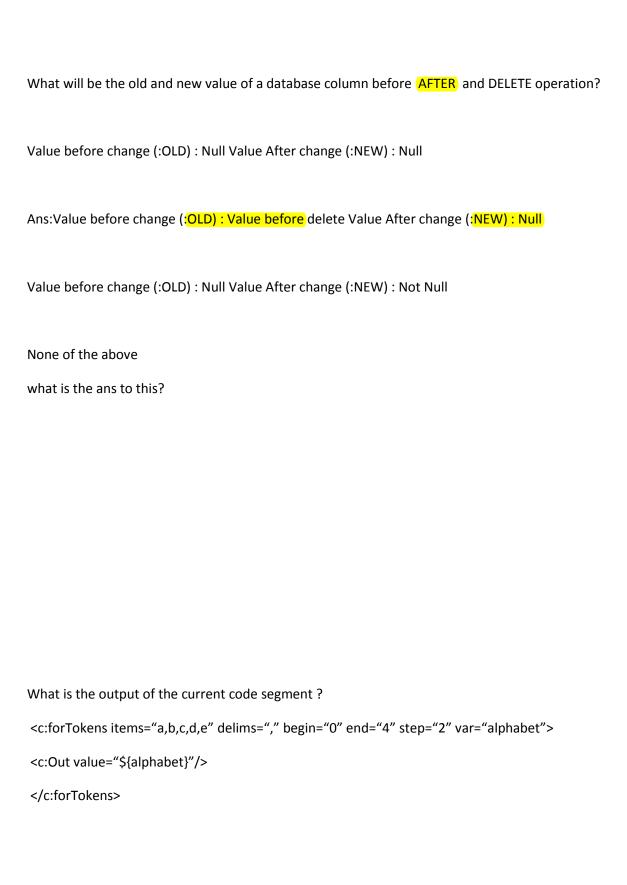
Which of the following gives the order of Database administrative steps needed to open an Oracle Database?
Start an instance, Open the Database, Mount the database
Ans:Mount the database, Start the instance, Open the database
Start an instance, Mount the database, Open the database
Start the database, Start the instance, Mount the Database

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 desired result.

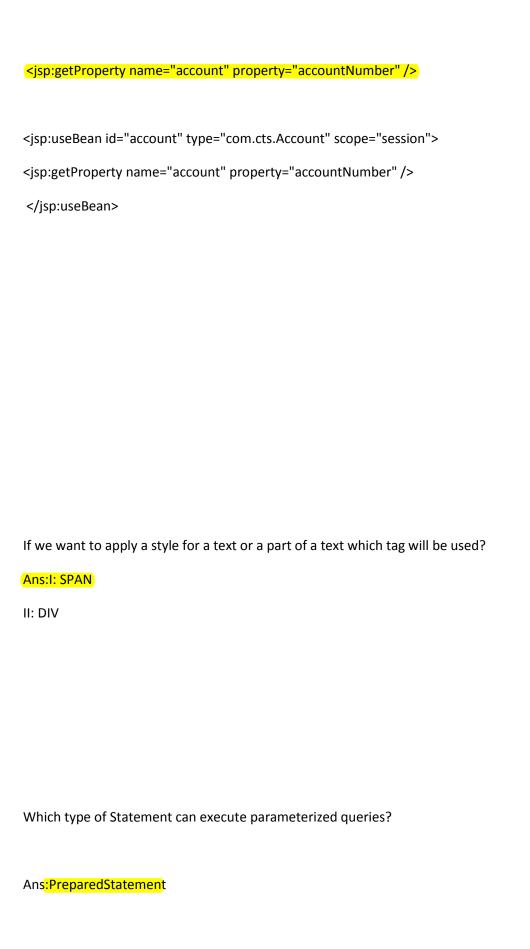
create or replace procedure prcEmp_details(EmpName varchar2) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(rec.ename||' '||rec.empNO||''||rec.Mrg); end loop; end; end;

create or replace procedure prcEmp_details(EmpName varchar2) as
begin declare
cursor c1 is select * from Emp where Ename=EmpName;
begin
for rec in c1 LOOP dbms_output.put_line(c1.ename '' c1.empNO '' c1.Mrg);
end loop;
end;
end;
create or replace procedure prcEmp_details(EmpName varchar2 OUT) as begin declare cursor c1 is select * from Emp where Ename
Ans: All the statement compile failed

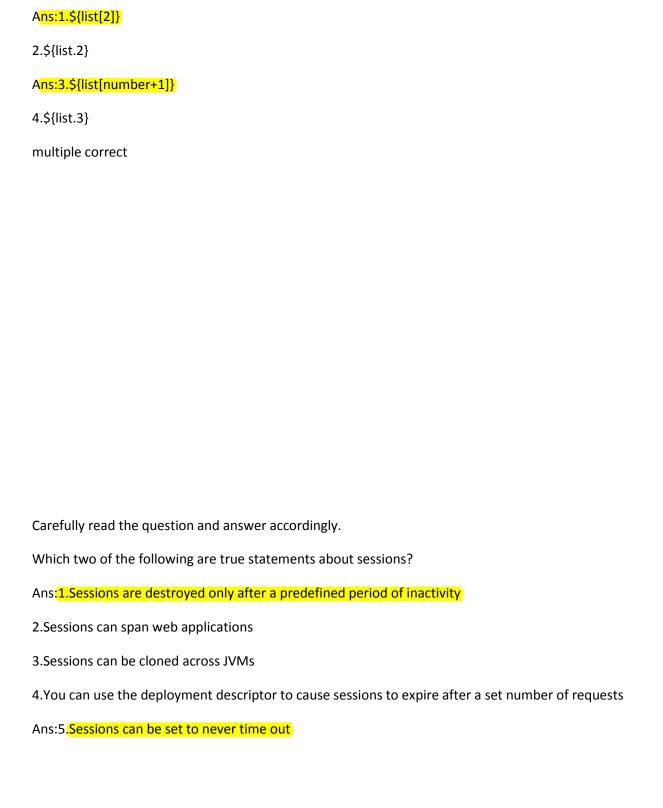


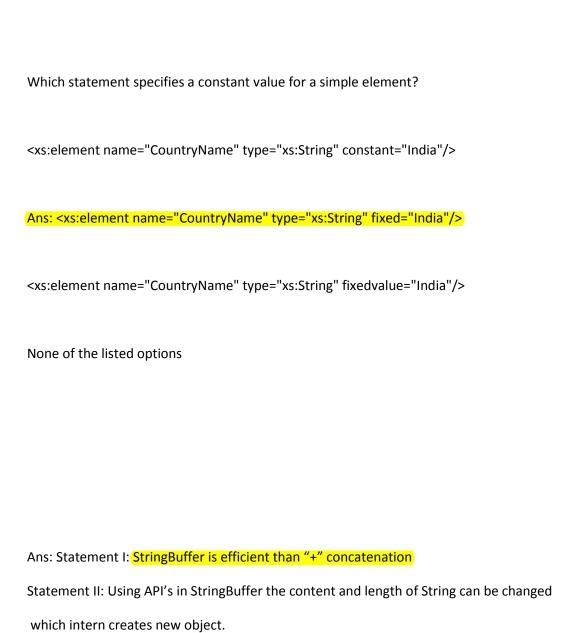
Ans: a c e

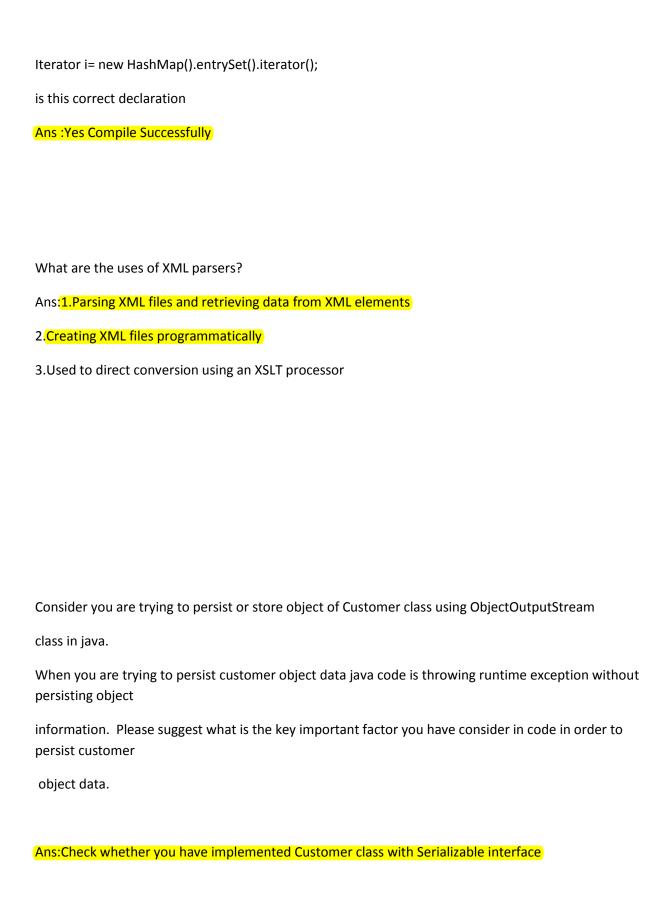
```
public void doPost(HttpServletRequest req, HttpServletResponse resp) {
  HttpSession session = req.getSession();
  com.cts.Account acc= new com.cts.Account();
  emp.setAccountNumber(req.getParameter("acc_num"));
  session.setAttribute("account", acc);
  RequestDispatcher page = req.getRequestDispatcher("index.jsp");
  page.forward(req, resp);
}
Which of these complete JSPs will print the account number?
Options:
<%= account.getAccountNumber() %>
Ans:<%= employee.getAccountNumber();%>
<jsp:useBean id="account" type="com.cts.Account" /> <%= employee.getAccountNumber(); %>
<jsp:useBean id="account" type="com.cts.Account" scope="session"/>
```

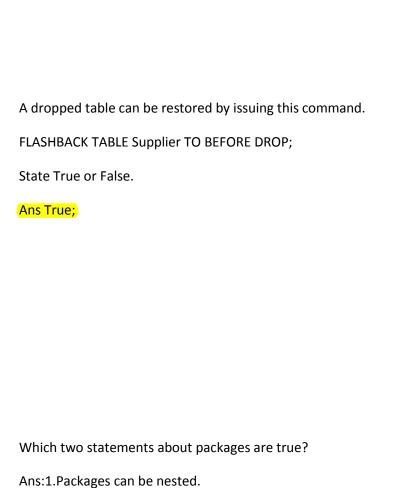


ParameterizedStatement		
ParameterizedStatement and CallableStatement		
All kinds of Statements (i.e. which implement a sub interface of Statement)		
Carefully read the question and answer accordingly.		
<%		
List list=new ArrayList();		
list.add("a");		
list.add("2");		
list.add("c");		
request.setAttribute("list",list);		
request.setAttribute("number","1");		
%>		
Based on the above code segment, which of the following will		
display "c"?		









2. You can pass parameters to packages.

3.A package is loaded into memory each time it is invoked.

Ans:4.The contents of packages can be shared by many applications.

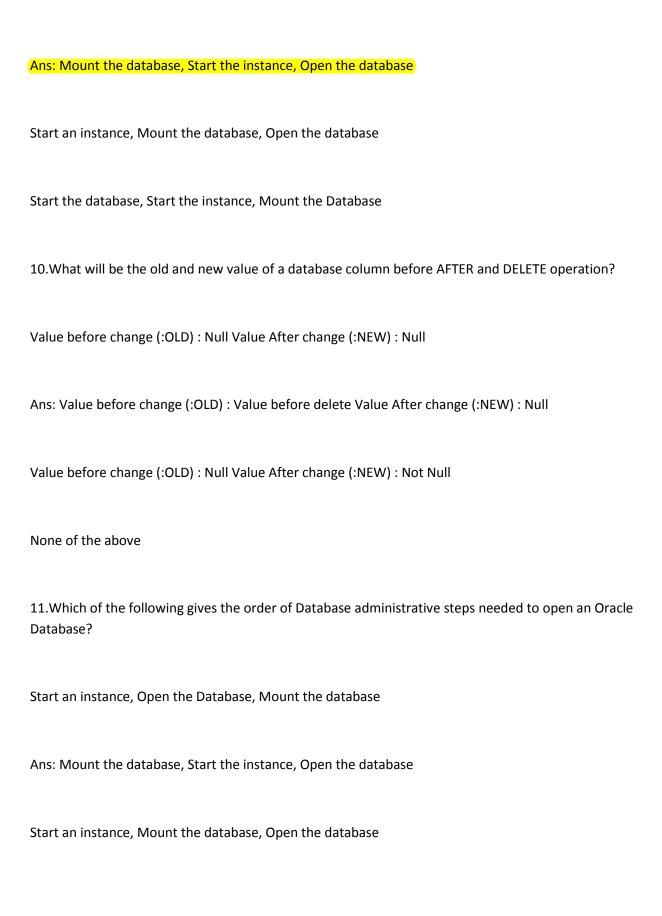
5. You can achieve information hiding by making package constructs private.

1.Error is the sub class of Throwable
Ans:TRUE
FALSE
2.State whether TRUE or FALSE.
Object class provides a method named getClass() which returns runtime class of an object.
Ans:TRUE
3. Type 1 & Type 3 driver types are not vendor specific implementation of Java driver. State True or False
ANS: TRUE
4. Which of the following is the correct syntax for suggesting that the JVM to performs garbage collection?
System.free();
System.setGarbageCollection();
System.out.gc();
-,···a-g-(//
Ans: System.gc();

5. Which of following are EL implicit objects?
1.\
2.parameter
3.parameterValues
ANS: 4.header
5.session
6. Carefully read the question and answer accordingly.
Which of following are EL implicit objects?
1.\
2.parameter
3. parameter Values
Ans: 4.header
5.session
1&4
2&4
3&4
4&5

1&5

7. Which method of ServletConfig interface re	aturns a String containing the value
of the named initialization parameter, or nul	
Ans:getInitParameter(String name)	
getParameter()	
getServletName(String name)	
getInitParameterName(String name)	
8.Which of the following correctly defines us	e of DTD in XML development?
DTD are used by parsers for validating the str	ructure of the XML
DTD are used as contract between two system	ms to interoperate.
An Application can use the DTD to validate th	ne XML structure it has received from external systems
Ans: All of the listed options	
9. Which of the following gives the order of D Database?	atabase administrative steps needed to open an Oracle
Start an instance, Open the Database, Mount	t the database



```
12. Which statement specifies a constant value for a simple element?
<xs:element name="CountryName" type="xs:String" constant="India"/>
<xs:element name="CountryName" type="xs:String" fixedvalue="India"/>
Ans:<xs:element name="CountryName" type="xs:String" fixed="India"/>
none
13. Consider the following servlet code segment:
HttpSession session = request.getSession(true);
session.setAttribute("name", "Cognizant");
session.invalidate(o);
if (session.isNew())
{ System.out.println(session.getAttribute("name");
} else { System.out.println(session.isNew());
}
What is the output of the above code segment?
Ans: Compilation Error due do session.invalidate(o);
14. Which two statements about packages are true?
Ans: 1.Packages can be nested.
```

- 2. You can pass parameters to packages.
- 3.A package is loaded into memory each time it is invoked.

Ans: 4.The contents of packages can be shared by many applications.

5. You can achieve information hiding by making package constructs private.

ans 4&5

15. 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 requirement?

Ans: Serialization

synchronization

Deserialization

Finalization

Which of the following variable represents the uncaught throwable object that		
resulted from a call to the error page in JSP?		
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Config		
Ans:Exception		
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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 statements?		

Ans:Statement A is true and statement B is true.

Statement A is true and statement B is false.
Statement A is false and statement B is true.
Statement A is false and statement B is false.
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");
}
<pre>public void run(String s) {</pre>
System.out.println("String in run is " + s);

```
}
}
class Test {
public static void main(String[] args) {
 MyThread t1=new MyThread();
 t1.start();
}
}
Ans TRUE and output="Important job running in MyThread"
Abstract classes can be used when
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Ans:Statement I & II are TRUE
Statement I is TRUE & II is FALSE
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```

Which one is required as a sub-element of listener tag in Deployment Descriptor?

Ans: stener-class>

None of the listed options
Select the benefit of using Transfer Object design pattern
Ans: It reduces network traffic by combining multiple calls into one network call and fetch and return

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Ans: 4.Records are composite types that have internal components that can be manipulated individually

Ans: 5.Nested Table is also known as associative arrays

Which of the following are abstract classes?

1.Reader

2. Input Stream Reader

3.InputStream
4.OutputStream
1&2
1&2&3
Ans:1&3&4
1&2&4
2&4
204
Which of the following gives the order of Database administrative steps needed to open an Oracle Database?
Start an instance, Open the Database, Mount the database
Ans:Mount the database, Start the instance, Open the database
Anstrount the database, start the instance, Open the database

Start an instance, Mount the database, Open the database
Start the database, Start the instance, Mount the Database
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 desired result.
create or replace procedure prcEmp_details(EmpName varchar2) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(rec.ename ' ' rec.empNO ' ' rec.Mrg); end loop; end; end;
create or replace procedure prcEmp_details(EmpName varchar2) as
begin declare
cursor c1 is select * from Emp where Ename=EmpName;
begin
for rec in c1 LOOP dbms_output_line(c1.ename '' c1.empNO '' c1.Mrg);
end loop;
end;
end;

create or replace procedure prcEmp_details(EmpName varchar2 OUT) as begin declare cursor c1 is select * from Emp where Ename
Ans: All the statement compile failed
What will be the old and new value of a database column before AFTER and DELETE operation?
Value before change (:OLD) : Null Value After change (:NEW) : Null
Ans:Value before change (:OLD) : Value before delete Value After change (:NEW) : Null
Value before change (:OLD) : Null Value After change (:NEW) : Not Null
None of the above
what is the ans to this?

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

Which of these complete JSPs will print the account number?

What is the output of the current code segment?



If we want to apply a style for a text or a part of a text which tag will be used?

Ans:I: SPAN

Carefully read the question and answer accordingly.

```
List list=new ArrayList();

list.add("a");

list.add("c");

request.setAttribute("list",list);

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

%>

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

Ans:1.${list[2]}

2.${list.2}

Ans:3.${list[number+1]}

4.${list.3}

multiple correct
```

Carefully read the question and answer accordingly.

Which two of the following are true statements about sessions?
Ans:1.Sessions are destroyed only after a predefined period of inactivity
2.Sessions can span web applications
3.Sessions can be cloned across JVMs
4. You can use the deployment descriptor to cause sessions to expire after a set number of requests
Ans:5.Sessions can be set to never time out
Which statement specifies a constant value for a simple element?
<xs:element constant="India" name="CountryName" type="xs:String"></xs:element>
Ans: <xs:element fixed="India" name="CountryName" type="xs:String"></xs:element>
<xs:element fixedvalue="India" name="CountryName" type="xs:String"></xs:element>
None of the listed options

Ans: Statement I: StringBuffer is efficient than "+" concatenation
Statement II: Using API's in StringBuffer the content and length of String can be changed
which intern creates new object.
<pre>Iterator i= new HashMap().entrySet().iterator();</pre>
is this correct declaration
Ans :Yes Compile Successfully

What are the uses of XML parsers?

Ans:1.Parsing XML files and retrieving data from XML elements

- 2.Creating XML files programmatically
- 3.Used to direct conversion using an XSLT processor

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.
Ans:Check whether you have implemented Customer class with Serializable interface
A dropped table can be restored by issuing this command.
FLASHBACK TABLE Supplier TO BEFORE DROP;
State True or False.
Ans True;

Which two statements about packages are true?

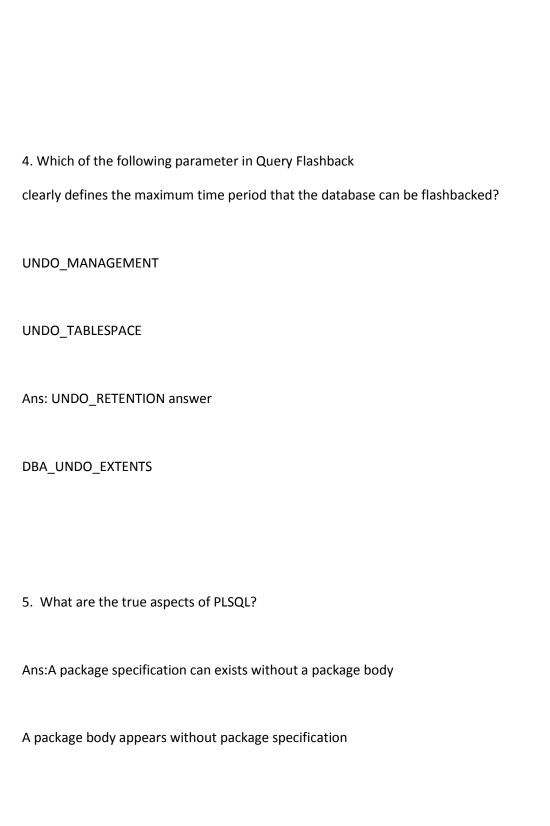
Ans:1.Packages can be nested.

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

 Can the function get_employees be called in an SQL statement as below ,
SELECT departmentid, description, get_employees(maxsalary) "Employeeid"
FROM tbl_departments
WHERE maxsalary = 3000
Ans:TRUE
FALSE
2.If the proposed system to be developed to handle concurrent user requests,
with reduced turn-around time & resource usage, then the architecture should employ
Firewall
rnewan
Ans:Load Balancer answer
Application Servers
Web Server

```
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;
"Cannot string in current PLSQL session"
"String is not active"
Ans: "Expressions have to be of SQL types"
None of the listed options
```

3. What error the following code will display?



A package can be invoked by itself.
Ans: The Subprograms that are present inside a package cannot exists separately as database objects.
6. 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;
Predict what type of record it fall under ?
Table Record
Cursor Record
Ans:Custom Record
Simple Record

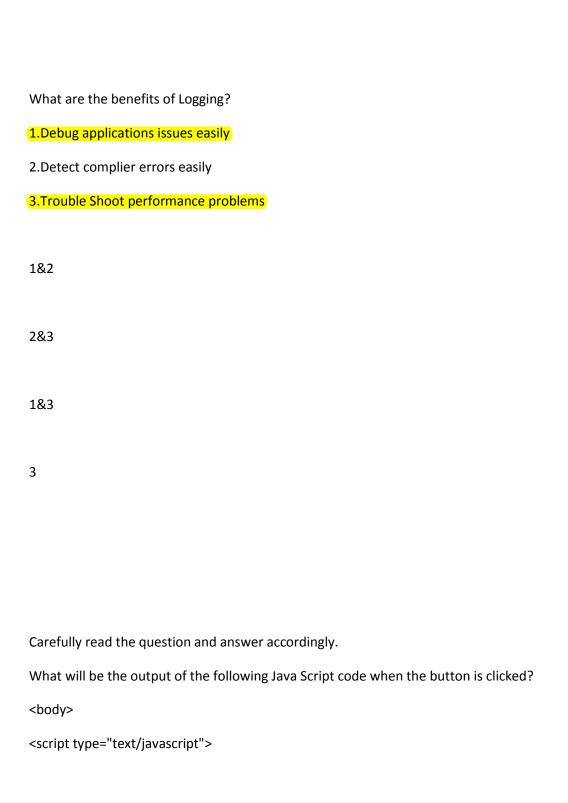
7. Scripting can be blocked in a jsp by:
Ans: Putting <scripting-invalid> element in web.xml</scripting-invalid>
Declaring <scripting-invalid> tag at the top of JSP page</scripting-invalid>
Putting scripting-invalid=true attribute in form tag this one answer
Scripting can't be blocked
8. What are the true aspects of PLSQL?
Ans:A package specification can exists without a package body
A package body appears without package specification
A package can be invoked by itself.

Ans: The Subprograms that are present inside a package cannot exists separately as database objects.
9.A procedure containing a single OUT parameter would be better rewritten as a function returning the value.
true or false
Ans: true
10. State whether TRUE or FALSE.
String class do not provides a method which is used to compare two strings lexicographically.
Ans:False
11. Which of the following are checked exceptions?
ANS:1. ClassNotFoundException
ANS:2.InterruptedException
3.NullPointerException
4. ArrayIndexOutOfBoundsException

12. Oracle instance comprises of background processes and memory structure. State True or False ANS TRUE
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?
Ans:Reader and Writer Stream APIs
InputStream and OutputStream Stream APIs
Collection APIs
None of the listed options
State whether TRUE or FALSE.
The APIS of StringBuffer are synchronized unlike that of StringBuilder
(Ans:TRUE)
FALSE

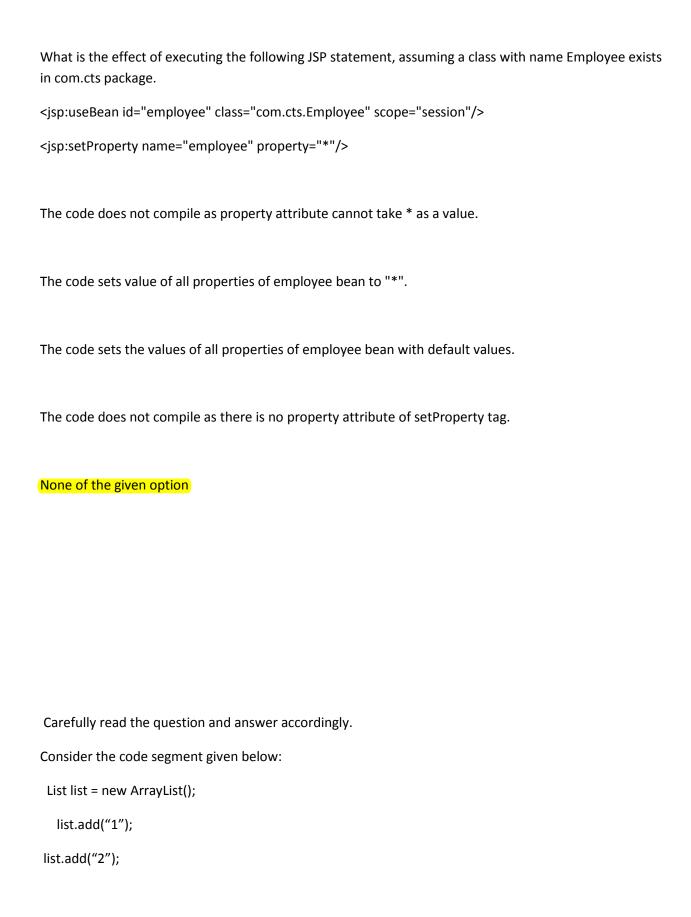
Str	ringBuffer is synchronized;
Wł	hich two statements are true?
An	s:1.It is possible for more than two threads to deadlock at once.
2.7	The JVM implementation guarantees that multiple threads cannot enter into a
de	adlocked state.
3.0	Deadlocked threads release once their sleep() method's sleep duration has expired.
An	s:4.If a piece of code is capable of deadlocking, you cannot eliminate the possibility of
de	adlocking by inserting
inv	vocations of Thread.yield().
1&	.2
1&	,2
100	
2&	v3
1&	4
2&	44

Find the keyword which is not used to implement exception
try
catch
finally
Ans:access)
exception
Type 1 & Type 3 driver types are not vendor specific implementation of Java driver. State True or False
TRUE
FALSE



function displayMessage(){
document.write("Displaying message by using javaScript");
}
<pre><button onclick="DISPLAYMESSAGE()" type="button">Display Message</button></pre>
It will print the message "Displaying message by using javaScript"
It will not print the message
It will display some error message on browser
None of the listed options
JSP syntax errors are caught during which lifecycle event of JSP?
Execution
Compilation

Translation
Container doesn't mind JSP syntax errors
When a JSP is executed, out of the following, what is most likely to be sent to the client?
The source JSP file
The source Servlet file
HTML
The compiled Servlet file
The complica service me



```
list.add("4");
list.add("4");
request.setAttribute("list", list);
String[] names = {"a", "b", "c", "d", "e"};
What will ${names[list[0] + 1]} display?

a,b

c

a,b,c
```

Gen wants to create a new JSP page. Which element of JSP provide global information about an entire JSP page?

Scriptlet

Directive
Expression
Declaration
What are the restrictions of GO TO statements?
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.
A GOTO statement can transfer control into an exception handler.
A GOTO statement cannot transfer control out of a subprogram.
dis is multipl choioce

Which of the fo	ollowing statements are true	
Statement A :T	he body of the FORALL statement must cont	ain a single DML operation.
	he EXECUTE IMMEDIATE statement prepares atement or an anonymous PL/SQL block.	s (parses) and immediately execute
Both statement	ts A and B are False	
Both A and B ar	re True	
Statement A Is	false and B is True	
Statement A is	True and B is False	

Which of the following parameter in Query Flashback clearly defines the maximum time period that the database can be flashbacked?
UNDO_MANAGEMENT
UNDO_TABLESPACE
UN <mark>DO_RETENTION</mark>
DBA_UNDO_EXTENTS
Which type of parser is suitable, when applications is required to read data without modifying the content
DOM
SAX
XML

None of the listed options
Which design pattern used in creating connections using Java Database Connectivity (JDBC) API
Proxy pattern
Factory Pattern
Iterator
Abstract Factory