

Capgemini iCompass - Competency Building Framework - Google Chrome
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iCompass L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View | Time Left: 101 : 05

Developer Workbench

Q1 Given the following code:

```
public void SayHello(){  
    System.out.println("Hello....");  
}
```

Will this method flag error in PMD, Why?
Single Choice - Select one correct answer from the options list.

No, since the code uses Java conventions and standards

No, Since the code has no scope to contain bugs

Yes, since method name starts with capital letter

No, since PMD encourage use of System.out.println() statements

Developer Tools

Servlets

Web Basics

Oracle

Core Java

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iCompass

L1 JEE Mock Test Set 1

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List View Time Left : 98 : 33

Developer Workbench

Q2 Which of the following command will be used to clear project's working directory and deletes the files generated at build-time?
Single Choice - Select one correct answer from the options list.

mvn package
 mvn build
 mvn site
 mvn clean

Developer Tools

Servlets

Web Basics

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List View Time Left : 39 : 22

Q3 Which of the following tasks are performed by using JSP standard action?

1) forwards the request and response to another resource
2) embeds another components such as applet
Single Choice - Select one correct answer from the options list.

1) only
 2) only
 1) and 2)
 None of the options are true

Developer Workbench

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JSP				
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Developer Tools

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Servlets

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Oracle

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Core Java

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L1 JEE Mock Test Set 1

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List View Time Left : 38 : 51

Developer Workbench

Q4 Consider following JSP code snippet:

```
<jsp:include page="a.jsp">
<jsp:param value="Capgemini" name="company"/>
</jsp:include>
```

How will you retrieve the value of company in a.jsp?
Single Choice - Select one correct answer from the options list.

Company value cannot be retrieved

<%= request.getAttribute("company") %>

<%= session.getParameter("company") %>

<%= request.getParameter("company") %>

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Servlets

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Web Basics

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L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 38 : 21

Q5 What of the following attribute is required for page directive to use implicit exception object?
Single Choice - Select one correct answer from the options list.

exception object can be enabled using errorPage attribute
 exception object can be enabled using isErrorPage attribute
 By default an exception object is available
 None of the above

Developer Workbench

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8	9	10	11	12

JSP

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Developer Tools

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Servlets

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Web Basics

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Oracle

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Core Java

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L1 JEE Mock Test Set 1



Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 37 : 51

Q6 Consider following JSP code snippet. What would it result in?

Code snippet: <%! public void sample(){ return "Testing method sample()"; } %> <%=sample()%>
Single Choice - Select one correct answer from the options list.

Prints "Testing method sample()"

Will result in Blank page, however no error displayed on the page

Compilation error as the function cannot be called inside the expression tag

Runtime Exception as the function cannot be called inside the expression tag

Developer Workbench

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JSP				
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Developer Tools

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Servlets

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Web Basics

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Developer Workbench

Q7 Which Statements create and set a new session scoped attribute "company" to the value "capgemini"?
Single Choice - Select one correct answer from the options list.

\${sessionScope.company}'

<c:set var="company" value="capgemini"/>

<c:set var="company" value="capgemini" scope="session"/> ✓

Cannot set "company" in session scope using JSTL

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List View Time Left : 36 : 51

Developer Workbench

Q9 How will you do the following in jsp page?

1. Disable the EL
2. Enable current page as an error page
Single Choice - Select one correct answer from the options list.

`<%@page isELIgnored="false" %>`
 `<%@page isErrorPage="false" %>`
 `<%@page isELIgnored="true" %>`
 `<%@page isErrorPage="true" %>`

✓

JSP

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Developer Tools

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Servlets

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Web Basics

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Oracle

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Core Java

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Developer Workbench

Q10 Consider the given Code snippet from web.xml:
<!-->
<jsp-property-group>
<url-pattern>*.jsp</url-pattern>
.....
</jsp-property-group>
</!-->

Select the appropriate element on the given blanks.
Single Choice - Select one correct answer from the options list.

jsp-root

jsp-config

jsp-pages

No such tags are available

Developer Tools

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L1 JEE Mock Test Set 1



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List View Time Left : 35 : 50

Q12 In JSP, which directive is used to include custom tags?
Single Choice - Select one correct answer from the options list.

page
 include
 taglib
 All of the above ✓

Developer Workbench

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Developer Tools

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Servlets

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Q13

```
public class TestDemo {  
    @Ignore @Test(expected = ClassCastException.class)  
    public void testGetLastName(){  
        @Ignore @Test  
        public void getFirstName() {}  
    }  
}
```

Consider the above java code snippet . How many test cases will execute?
Single Choice - Select one correct answer from the options list.

3
 2
 1
 0 ✓

Developer Workbench

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Developer Tools

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Web Basics

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Oracle

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Core Java

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Oracle				
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Core Java				

Q14 There are five priority levels given. Evaluate which of the following statements are true in decreasing order of priority levels?
Single Choice - Select one correct answer from the options list.

DEBUG, INFO, WARN, ERROR, and FATAL

FATAL, ERROR, WARN, INFO and DEBUG ✓

INFO, DEBUG, ERROR, WARN and FATAL

ERROR, FATAL, WARN, INFO and DEBUG

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L1 JEE Mock Test Set 1



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List View Time Left : 75 : 49

Developer Workbench

Q15 Consider the below SomeServlet Code:

```
out.println("Output: " + request.getRequestURI());
```

If below is the URL used to invoke MyServlet,

http://localhost:8080/SomeApp/SomeServlet?txtName=bob&txtAmount=1000&btnSubmit=SUBMIT

then, What will be the output?
Single Choice - Select one correct answer from the options list.

Output: txtName=bob&txtAmount=1000&btnSubmit=SUBMIT

Output : http://localhost:8080/SomeApp/SomeServlet?txtName=bob&txtAmount=1000&btnSubmit=SUBMIT

Output: null

Output: /SomeApp/SomeServlet ✓

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Developer Workbench

Active Attempted Not Attempted

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Web Basics				
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Oracle				
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Core Java				

Q16 Consider the partial code of Sender.java.

```
ServletContext context=getServletContext();
context.setAttribute("tech","J2EE");
req.setAttribute("course","servlet");
res.sendRedirect("receiver");
```

If receiver.java is coded as below, what would be the Output, assuming all other configurations are correct.

```
PrintWriter out = resp.getWriter();
ServletContext context=getServletContext();
out.println("Technology " + ":" + context.getAttribute("tech"));
out.println("Course" + ":" + req.getAttribute("course"));
Single Choice - Select one correct answer from the options list.
```

Technology : J2EE
 Course : servlet

Technology : J2EE
 Course : null

Technology : null
 Course : null

Error in Sender.java
because, sendRedirect() must not have parameters

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iCompass L1 JEE Mock Test Set 1

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List View Time Left : 71 : 46

Developer Workbench

Q17 Consider a Web application storing 10 cookies on client browser.
How much storage space in KB is required for those cookies?
Single Choice - Select one correct answer from the options list.

10
 100
 40 ✓
 4

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iCompass L1 JEE Mock Test Set 1

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List View Time Left : 69 : 44

Developer Workbench

Q18 Consider the following servlet code snippet in a java web application.
What happens when below code is executed assuming session exist before?

```
HttpSession session = request.getSession(false);  
session.setAttribute("company", "Capgemini");  
Single Choice - Select one correct answer from the options list.
```

"Capgemini" is set in the session attribute ✓

"null" is stored in the session attribute

It will throw NullPointerException . Because getSession(false) will return null as the session doesn't exist before

Compilation error because, getSession() method cannot take boolean value as the parameter

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Q19 Consider the following HTML form.

```
<form action="someservlet" method="get">
Enter name:<input type="text" name="name">
<input type="submit" value="Go"/>
</form>
```

In a Servlet, the value of name can be obtained by:
 Single Choice - Select one correct answer from the options list.

doGet(HttpServletRequest request, HttpServletResponse response)
 {
 String name = request.getParameter("name");
 ...
 }

doPost(HttpServletRequest request, HttpServletResponse response)
 {
 String name = request.getParameter("name");
 ...
 }

doGet(HttpServletRequest request, HttpServletResponse response)
 {
 String name = request.getInitParameter("name");
 ...
 }

doGet(HttpServletRequest request, HttpServletResponse response)
 {
 String name = response.getParameter("name");
 ...
 }

✓

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iCompass L1 JEE Mock Test Set 1

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List View Time Left : 67 : 40

Q20 Which method of HttpSession object is used to find out at what time session was created?
Single Choice - Select one correct answer from the options list.

public long getCreationTime() ✓

public long getLastAccessedTime()

public long getLastCreationTime()

public long getFirstAccessedTime()

20 Active 21 Attempted 22 Not Attempted

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L1 JEE Mock Test Set 1

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List View Time Left: 131 : 48

Q21

```
<xs:element name="book">
<xs:complexType>
<xs:all>
<xs:element name="author" type="xs:string"/>
<xs:element name="price" type="xs:integer"/>
</xs:all>
</xs:complexType>
</xs:element>
```

Which of the given statement is true about the above schema ?
Single Choice - Select one correct answer from the options list.

Child elements author and price may occur 0 or more times in XML document X

Child elements author and price will occur in same order in XML document

Child elements author and price will occur only once and in any order in XML document ✓

Child elements author and price will occur only once and in given order in XML document

JSP

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Oracle

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Core Java

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L1 JEE Mock Test Set 1



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List View Time Left: 131 : 18

Q22 Analyze the below given HTML code and identify how many radio buttons are allowed to be selected?

```
<input type="radio" name="l" value="Business"/>Business  
<input type="radio" name="g" value="Employee - Private Sector"/>Employee - Private Sector  
<input type="radio" name="b" value="Employee - Public Sector"/>Employee - Public Sector
```

Single Choice - Select one correct answer from the options list.

0
 1
 2
 3

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Time Left: 127 : 46

Q23 What happens if moveTo(x,y) method is called on window object in JavaScript ?
Single Choice - Select one correct answer from the options list.

Current window will be move to the coordinate specified by x and y. ✓

Current window will be move by x and y value.

Moves window to a new frame.

Window will disappear in background.

JSP

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Developer Tools

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Servlets

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Web Basics

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Oracle

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Core Java

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L1 JEE Mock Test Set 1

 p {
text-align: center;
color: red;
}- #para1 {
text-align: center;
color: red;
}
- .center {
text-align: center;
color: red;
}
- h1, h2, p {
text-align: center;
color: red;
}
A large red checkmark is drawn over the second option, '#para1'. On the right side of the screen, there's a sidebar titled 'JSP' which lists numbered boxes from 3 to 7, 8 to 12, and 13 to 14. Below this are sections for 'Developer Tools', 'Servlets' (with boxes 15 to 19), 'Web Basics' (with boxes 21 to 26, 21 being green), 'Oracle' (with boxes 27 to 31), and 'Core Java' (with boxes 32 to 41). At the bottom of the page are navigation buttons for 'Previous' and 'Next', a status message '24 out of 75', and a red 'Submit Assessment' button.

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Q25

```
1.<?xml version="1.0" encoding="UTF-8"?>
2.<library>
3.<books>
4.<book category=Technical>
5.<name>Head First J2SE</name>
6.<pages>600</pages>
7.<price>700</price>
8.</book>
9.</books>
10.</library>
```

Which change will make above given XML as well formed XML?
Single Choice - Select one correct answer from the options list.

Remove line no.1

category value should be in quotes ✓

element values should be in quotes

both category and element values need to be in quotes

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L1 JEE Mock Test Set 1



Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left: 121 : 45

Q26 What will be the output of the below code?

```
<!DOCTYPE html>
<html>
<script>
function fun1(){
frm1.elements[0].value="India";
}
</script>
<body onload="fun1()">
<form name="frm1">
<input type="hidden" name="country"/>
<input type="Submit" value="Go"/>
</form>
</body>
</html>
```

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

It will display only a button with "Go" caption ✓

It will display a text box and a button with "Go" caption

Value 'India' will be set to the element with name 'country' ✓

Value 'India' will be not set to the element with name 'country' as JavaScript code is having error

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JSP

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Core Java

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List View Time Left: 120 : 44

Q27 Which statement(s) is/are true about Procedures?

I. Parameter with IN mode is used to pass values to the procedure.
II. Parameter with OUT mode is used to return values to the caller.
III. Parameter with IN OUT mode is used to pass initial values to the procedure and return updated values to the caller.
IV. Formal parameter should be assigned a value, if parameter mode is IN OUT.

Single Choice - Select one correct answer from the options list.

Statement I and II are true
 Statement II and III are true
 Statement III and IV are true
 All the statements are true



Developer Tools
JSP: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Servlets: 13, 14, 15, 16, 17, 18, 19, 20
Web Basics: 21, 22, 23, 24, 25, 26
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iCompass L1 JEE Mock Test Set 1



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List View Time Left: 118 : 14

Q28 Examine the structure of dept table:

```
SQL> desc dept;
Name          Null?    Type
DEPTNO        NOT NULL NUMBER(4)
DNAME          VARCHAR2(14)
LOC            VARCHAR2(13)
```

A developer had created department_master table with the similar structure of dept table using the below query:

```
CREATE TABLE department_master AS SELECT * FROM dept WHERE 1=2;
```

Identify the query to copy all records from dept table and insert the same into department_master table.
Single Choice - Select one correct answer from the options list.

INSERT INTO department_master SELECT * FROM dept; ✓

INSERT INTO department_master VALUES SELECT * FROM dept;

INSERT INTO department_master VALUES AS SELECT * FROM dept;

Copying of records from one table and inserting to another table is impossible.

JSP

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20				

Web Basics

21	22	23	24	25
26				

Oracle

27	28	29	30	31
----	----	----	----	----

Core Java

32	33	34	35	36
37	38	39	40	41

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iCompass L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 List View Time Left: 110 : 11

Q29 Examine the content of EMPLOYEE table:

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	500	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	700	30
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1600	30
7698	BLAKE	MANAGER	7839	01-MAY-81	4000		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7788	SCOTT	ANALYST	7566	09-DEC-82	3000		20
7839	KING	PRESIDENT		17-NOV-81	5000		10
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	300	30
7876	ADAMS	CLERK	7788	12-JAN-83	2100		20
7900	JAMES	CLERK	7698	03-DEC-81	950	100	30
7902	FORD	ANALYST	7566	03-DEC-81	3000		20
7934	MILLER	CLERK	7782	23-JAN-82	3000		10
7369	SMITH	CLERK	7902	17-DEC-80	800	100	20

Identify the query to display list of employee details(ename, sal and job) who are earning salary higher than all the minimum salaries based on each job.
Single Choice - Select one correct answer from the options list.

- SELECT ename,sal,job FROM employee WHERE sal> (SELECT min(sal) FROM employee GROUP BY job);
- SELECT ename,sal,job FROM employee WHERE sal>ANY (SELECT min(sal) FROM employee GROUP BY job);
- SELECT ename,sal,job FROM employee WHERE sal>ALL (SELECT min(sal) FROM employee);
- SELECT ename,sal,job FROM employee WHERE sal>ALL (SELECT min(sal) FROM employee GROUP BY job);

✓

JSP
Active
Attempted
Not Attempted

Developer Tools

3	4	5	6	7	
8	9	10	11	12	

Servlets

13	14				

Web Basics

21	22	23	24	25	
26					

Oracle

27	28	29	30	31	

Core Java

32	33	34	35	36	
37	38	39	40	41	

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L1 JEE Mock Test Set 1



Section: 1 2 3 4 5 **6** 7 8 9 10 11 12 13 14 15 16

List View Time Left: 105 : 09

Q30 Examine the content of EMPLOYEE table:

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	500	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	700	30
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1600	30
7698	BLAKE	MANAGER	7839	01-MAY-81	4000		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7788	SCOTT	ANALYST	7566	09-DEC-82	3000		20
7839	KING	PRESIDENT		17-NOV-81	5000		10
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	300	30
7876	ADAMS	CLERK	7788	12-JAN-83	2100		20
7900	JAMES	CLERK	7698	03-DEC-81	950	100	30
7902	FORD	ANALYST	7566	03-DEC-81	3000		20
7934	MILLER	CLERK	7782	23-JAN-82	3000		10
7369	SMITH	CLERK	7902	17-DEC-80	800	100	20

Identify the query to display hiredate and number of employees joined in that date in a given department number. Also order the details based on hiredate.
 Single Choice - Select one correct answer from the options list.

SELECT hiredate,COUNT(*) FROM employee GROUP BY hiredate ORDER BY 1;

SELECT hiredate,COUNT(*) FROM employee WHERE deptno=20 GROUP BY hiredate ORDER BY 1; 

SELECT hiredate,COUNT(*) FROM employee WHERE deptno=20 GROUP BY hiredate ORDER BY 0;

SELECT hiredate,COUNT(*) FROM employee GROUP BY hiredate ORDER BY 1 WHERE deptno=20;

20

Web Basics

21 22 23 24 25

26

Oracle

27 28 29 30 31

Core Java

32 33 34 35 36

37 38 39 40 41

42 43 44 45 46

47

OOP and UML

48 49

Intro to SE

50 51 52

Spring

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iCompass L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left: 104 : 08

Q31 Analyze the below code and find out the type of cursor used in this code for processing result set data.

```
DECLARE
  TYPE details IS REF CURSOR;
  emp employee%ROWTYPE;
  dept1 dept1%ROWTYPE;
  cname details;
BEGIN
  OPEN cname FOR SELECT * FROM employee;
  FETCH cname INTO emp;
  LOOP
    DBMS_OUTPUT.PUT_LINE(emp.ename);
    EXIT WHEN cname%NOTFOUND;
    FETCH cname INTO emp;
  END LOOP;
  CLOSE cname;
  OPEN cname FOR SELECT * FROM dept;
  FETCH cname INTO dept1;
  LOOP
    DBMS_OUTPUT.PUT_LINE(dept1.dname);
    EXIT WHEN cname%NOTFOUND;
    FETCH cname INTO dept1;
  END LOOP;
  CLOSE cname;
END;
/
```

Single Choice - Select one correct answer from the options list.

Implicit Cursor Parameterized Cursor Weak Type Cursor Variable Strong Type Cursor Variable

20 Web Basics 21 22 23 24 25
26 Oracle 27 28 29 30 31
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37 38 39 40 41
42 43 44 45 46
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Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 67 : 10

Q32
Priya is involved in the development of online shopping system.
She wants to maintain product details in a cart such as product id and quantity in the form of key/value pair.
She wants data in sorted or ordered manner.

Which collection classes would you suggest her to implement the functionality?
Single Choice - Select one correct answer from the options list.

java.util.Vector
 java.util.HashMap
 java.util.TreeMap
 java.util.ArrayList

20 Web Basics
21 22 23 24 25
26 Oracle
27 28 29 30 31
32 Core Java
33 34 35 36
37 38 39 40 41
42 43 44 45 46
47 OOP and UML
48 49
50 Intro to SE
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iCompass L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 List View Time Left : 66 : 40

Q33

```
class Alpha {  
    public static void main(String[] args) {  
        try {  
            int x = args[0]/args[1];  
        } catch (NullPointerException nullEx) {  
            System.out.print("X");  
        } catch (Exception ex) {  
            System.out.print("Y");  
        } finally {  
            System.out.print("Z");  
        }  
    }  
}
```

What would be the output of above code fragment if the program executed on command line as "java Alpha ten 0"?

Single Choice - Select one correct answer from the options list.

x z

Compilation error due to incompatible types used for calculation

An exception is thrown at runtime

yz

20 Web Basics 21 22 23 24 25
26 Oracle 27 28 29 30 31
32 Core Java 33 34 35 36
37 38 39 40 41
42 43 44 45 46
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L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 64 : 08

Q34 What is the initial state of a thread when it is created and started?
Single Choice - Select one correct answer from the options list.

Ready ✓
 Blocked
 Waiting
 Sleeping

20 Web Basics
21 22 23 24 25
26 Oracle
27 28 29 30 31
Core Java
32 33 34 35 36
37 38 39 40 41
42 43 44 45 46
47 OOP and UML
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L1 JEE Mock Test Set 1



Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 63 : 07

Q35 Which of the following is an checked Exception in JAVA?
Single Choice - Select one correct answer from the options list.

ClassCastException
 SQLException ✓
 NullPointerException
 ArrayIndexOutOfBoundsException

20 Active
Web Basics
21 22 23 24 25
26 Attempted
Oracle
27 28 29 30 31
Core Java
32 33 34 35 Active 36
37 38 39 40 41
42 43 44 45 46
47 Not Attempted
OOP and UML
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L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 62 : 07

Q36 What will be the output of the program?

```
import java.util.*;  
class Test  
{  
    public static void main (String[] args)  
    {  
        Set hashSet = new HashSet();  
        hashSet.add(1);  
        hashSet.add(null);  
        hashSet.add(null);  
        hashSet.add("1");  
        System.out.println(hashSet);  
    }  
}
```

Single Choice - Select one correct answer from the options list.

[null,1,1] ✓

[1,1]

[1]

[1,null,null]

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iCompass L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 List View Time Left : 60 : 37

Q37

```
public class Test {  
    public static void main(String[] args)  
    { String str = null;  
        System.out.println((String) str);  
    }  
}/end of class
```

What will be the output?
Single Choice - Select one correct answer from the options list.

null Null Pointer Exception "" str

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26 Oracle 27 28 29 30 31
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42 43 44 45 46
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iCompass L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 List View Time Left : 59 : 36

Q38 Consider the given code:

```
List<Integer> listInt = Arrays.asList(10,20,30,40,50,60);  
System.out.println(listInt.stream().reduce((prev,current)->prev + current));
```

Select the correct output ?
Single Choice - Select one correct answer from the options list.

Optional[210] ✓

Optional[30]

Optional[110]

210

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42 43 44 45 46
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L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 58 : 05

Q39 Which of the following Java interfaces can be used by Collections.sort() method to sort user defined objects stored in a list?
Single Choice - Select one correct answer from the options list.

SortedSet ✓

Comparator ✓

Comparable

None

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26 Oracle 27 28 29 30 31
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37 38 39 40 41
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iCompass L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 List View Time Left : 57 : 04

Q40 Pick up the true statement/s about final class in java.

1) abstract class cannot be instantiated
2) super() and this() both calls cannot be used in same constructor
Single Choice - Select one correct answer from the options list.

1) and 2)

1) only
 2) only
 None of the above

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37 38 39 40 41
42 43 44 45 46
47 OOP and UML 48 49
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L1 JEE Mock Test Set 1



Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 56 : 34

Q41 Which statement/s is/are correct about JDBC transactions?
Single Choice - Select one correct answer from the options list.

- autocommit mode of connection object can be changed
- autocommit should be set to false in the beginning of transaction
- By default, a connection object is in auto-commit mode i.e conn.setAutoCommit(true)
- All of the above ✓

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26 Oracle
27 28 29 30 31
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37 38 39 40 41
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iCompass L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 List View Time Left: 55 : 33

Q42 Assuming that there are 5 rows in the ProductDetails table (COLUMNS: product_id number(10), product_title varchar(30)).

What will be the output of the following Java code?

```
DriverManager.registerDriver (new oracle.jdbc.driver.OracleDriver());
Connection conn =
DriverManager.getConnection (
"jdbc:oracle:thin:@10.212.74.18:1521:orcl", "user", "password");
Statement stmt1=conn.createStatement();
ResultSet rs=stmt1.executeQuery("SELECT * FROM ProductDetails");
System.out.println(rs.getString(1)+" "+rs.getString(2));-----Line 1
Single Choice - Select one correct answer from the options list.
```

Compilation error in the Line 1 as rs.next() is not given before this

SQLException is raised. Because rs.next() is not given in the code

Prints the contents of the first row from the table

SQLException is raised. Because while loop is not given in the code

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L1 JEE Mock Test Set 1



Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 53 : 32

Q43 Select the true statements about serialization.
Single Choice - Select one correct answer from the options list.

Serialization is a mechanism of saving the state of an object into a file

To persist an object to a file, the object Class properties needs an transient keyword

Serialization is the process of reconstructing the object from the deserialized state

All of the Above

20 Web Basics
21 22 23 24 25
26 Oracle
27 28 29 30 31
Core Java
32 33 34 35 36
37 38 39 40 41
42 43 44 45 46
47 OOP and UML
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L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 53 : 01

Q44 What will the following statement is true in context of JDBC 4?
Single Choice - Select one correct answer from the options list.

JDBC 4 auto loads and registers the Driver available in build path for Database access ✓

Driver jar is not required while working with JDBC4

Class.forName("driver name") is still required to load and register the driver

None of the above

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26 Oracle
27 28 29 30 31
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37 38 39 40 41
42 43 44 45 46
47 OOP and UML
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iCompass L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 List View Time Left : 52 : 31

Q45

```
import java.util.function.BiFunction;
public class TestQuestion {
    public static void main(String[] args) {
        BiFunction<Integer, Integer, Boolean> isMax = (x, y) -> {
            return (x > y ? true : false);
        };
        System.out.println(isMax.apply(45, 50));
    }
}
```

What will be the output of above code?
Single Choice - Select one correct answer from the options list.

True ✓
 False ✓
 Compilation error as a BiFunction requires only 2 arguments
 Exception is thrown

20 Web Basics
21 22 23 24 25
26 Oracle
27 28 29 30 31
Core Java
32 33 34 35 36
37 38 39 40 41
42 43 44 45 46
47 OOP and UML
48 49 Intro to SE
50 51 52 Spring

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L1 JEE Mock Test Set 1



Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 51 : 31

Q46 Which of the following is valid statement for automatic type conversion in Java?

Single Choice - Select one correct answer from the options list.

int to long ✓
 long to int
 int to boolean
 None of the above

20 Web Basics
21 22 23 24 25
26 Oracle
27 28 29 30 31
27 28 29 30 31
32 33 34 35 36
37 38 39 40 41
42 43 44 45 46
47 Core Java
48 49 OOP and UML
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50 51 52 Intro to SE
50 51 52
53 Spring

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L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 51 : 00

Q47 Which of the following is not a Java modifier?
Single Choice - Select one correct answer from the options list.

public
 private
 virtual ✓
 protected

20 Web Basics
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26 Oracle
27 28 29 30 31
Core Java
32 33 34 35 36
37 38 39 40 41
42 43 44 45 46
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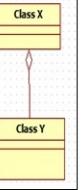
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iCompass L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 List View Time Left : 79 : 53

Q48 Analyze the below given class diagram and identify the relationship represented between these two classes.

Single Choice - Select one correct answer from the options list.



Aggregation ✓
 Composition ✗
 Generalization
 Realization

26 Oracle
27 28 29 30 31 Core Java
32 33 34 35 36
37 38 39 40 41
42 43 44 45 46
47 OOP and UML
48 49 Intro to SE
50 51 52 Spring
53 54 55 56 57
58 59 60 61 62
63 64 65 66 67

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Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 List View Time Left : 78 : 52

Q50 When are the activities like knowledge transfer , end user training , project signoff carried out?
Single Choice - Select one correct answer from the options list.

After unit testing

After acceptance testing ✓

After system testing

Before system testing

26 Oracle

27 28 29 30 31

Core Java

32 33 34 35 36

37 38 39 40 41

42 43 44 45 46

47

OOP and UML

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53 54 55 56 57

58 59 60 61 62

63 64 65 66

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L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 77 : 51

Q51 Elicitation process is carried under which phase of SDLC model ?
Single Choice - Select one correct answer from the options list.

Feasibility

Design

Requirements 

Coding

26 Oracle

27 28 29 30 31

Core Java

32 33 34 35 36

37 38 39 40 41

42 43 44 45 46

47

OOP and UML

48 49

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50 51 52

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53 54 55 56 57

58 59 60 61 62

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iCompass L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

List View Time Left : 76 : 19

Q52 Which of the given is an example of non configuration item ?
Single Choice - Select one correct answer from the options list.

Design document
 Project plan
 Weekly status Reports ✓
 Test case

32 Active 33 Attempted 34 Not Attempted 35 36
37 38 39 40 41
42 43 44 45 46
47
OOP and UML
48 49
Intro to SE
50 51 52
Spring
53 54 55 56 57
58 59 60 61 62
63 64 65 66
QPA
67 68
PF with Pseudocode
69 70 71

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iCompass

L1 JEE Mock Test Set 1

Section: 1 2 3 4 5 6 7 8 9 **10** 11 12 13 14 15 16

List View Time Left : 50 : 30

Q53

```
<listener>
<listener-class>
org.springframework.web.context.ContextLoaderListener
</listener-class>
</listener>

<context-param>
<param-name>contextConfigLocation</param-name>
<param-value>
/WEB-INF/basicsspring-service.xml
</param-value>
</context-param>
```

What is true about the above set of Spring configuration tags?
Single Choice - Select one correct answer from the options list.

The given tags are written in web.xml and indicates location of spring configuration file

The given tags are written in web.xml to replace DispatcherServlet

The given tags are written in spring configuration file and indicates location of child spring configuration file

None of the above

Active Attempted Not Attempted

32	33	34	35	36
37	38	39	40	41
42	43	44	45	46
47				
OOP and UML				
48	49			
Intro to SE				
50	51	52		
Spring				
53	54	55	56	57
58	59	60	61	62
63	64	65	66	
QPA				
67	68			
PF with Pseudocode				
69	70	71		

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iCompass L1 JEE Mock Test Set 1

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List View Time Left : 48 : 59

Q54 Select the correct choice based on given statements:

1. DataSource in Spring can be acquired using either DriverManagerDataSource or by using JNDI lookup.
2. Entity manager could be either application managed or container managed.

Single Choice - Select one correct answer from the options list.

Statement 1 is true where as 2 is false
 Statement 1 is false where as 2 is true
 Both statements are true
 Both statements are false

32 33 34 35 36
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Q55 Which Spring modules usage will be more suitable for designing spring application in the below given scenarios?

Scenario 1: Developer wants to use new data access technologies, such as non-relational databases in his application.
Scenario 2: Developer wants to use an embedded server in a development environment.
Single Choice - Select one correct answer from the options list.

Scenario 1. Spring Data ✓ Scenario 2. Spring Boot

Scenario 1. Spring Data
Scenario 2. Spring Cloud

Scenario 1. Spring XD
Scenario 2. Spring Framework

Scenario 1. Spring XD
Scenario 2. Spring Web

Active Attempted Not Attempted

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63	64	65	66	
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Q56 How configuration metadata is provided to the Spring Container?

1) XML based
2) Annotation based
3) Java Class

Single Choice - Select one correct answer from the options list.

1) only

1) and 2)

2) only

1), 2) and 3)

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Q57 Which of the following functionality is not supported by SpEL?
Single Choice - Select one correct answer from the options list.

- Method invocation
- Boolean and relational operators
- Regular and class expressions
- Class creation

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Q58 Select the correct statement about spring annotations?
Single Choice - Select one correct answer from the options list.

- @Repository: This annotation marks classes that implement a part of the database access logic of an application
- @ComponentScan : An equivalent for Spring XML's <context:component-scan/> is provided with the @ComponentScan annotation
- @EnableAutoConfiguration annotation will trigger automatic loading of all the beans the application requires
- All of the above

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Q59 Select the correct statements about spring annotations?
Single Choice - Select one correct answer from the options list.

- @Param annotation is class level annotation used to map requested URL
- @ModelAttribute annotation binds a method parameter to a named attribute, exposed to web view
- @RequestMapping can only be applied to methods of repository class
- Usage of @Controller annotation at class level represents that class is used for Database connection

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Q60 Which of the following statements are true regarding SpEL in Spring Framework?
Single Choice - Select one correct answer from the options list.

- in SpEL, le is equivalent to <= operator
- If you register your bean in XML and define @Value in Java class, the @Value will fail to execute
- When using projection and selection operators together in a SpEL expression, projection should follow selection
- All of the above

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Q61 In a Spring applicaton, Consider InternalResourceViewResolver is used and handleRequest method returns ModelAndView ("report","msg",message) then which JSP will be invoked?
Single Choice - Select one correct answer from the options list.

- report.jsp
- msg.jsp
- message.jsp
- model.jsp

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Q62 Select the appropriate mapping to create the entityManagerFactoryBean ?
 Assume valid dataSource mapping is already existing.
 Single Choice - Select one correct answer from the options list.

<bean id="entityManagerFactory"
 class="org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean">
 <property name="dataSource" ref="dataSource"/>
 <property name="packagesToScan" value="com.cg.entities"/>
 <property name="persistenceProviderClass" value="org.hibernate.jpa.HibernatePersistenceProvider"/>
 <property name="jpaPropertyMap">
 <map>
 <entry key="hibernate.dialect" value="org.hibernate.dialect.Oracle10gDialect"/>
 <entry key="hibernate.hbm2ddl.auto" value="update"/>
 </map>
 </property>
 </bean>

<bean id="entityManagerFactory"
 class="org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean">
 <property name="dataSource" ref="dataSource"/>
 <property name="packagesToScan" value="com.cg.entities"/>
 <property name="persistenceProviderClass" value="org.hibernate.jpa.HibernatePersistenceProvider"/>
 </bean>

<bean id="entityManagerFactory"
 class="org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean">
 <property name="dataSource" ref="dataSource"/>
 <property name="packagesToScan" value="com.cg.entities"/>
 <property name="jpaPropertyMap">
 <map>
 <entry key="hibernate.dialect" value="org.hibernate.dialect.Oracle10gDialect"/>
 <entry key="hibernate.hbm2ddl.auto" value="update"/>
 </map>
 </property>

Active	Attempted	Not Attempted
32	33	34
35	36	
37	38	39
40	41	
42	43	44
45	46	
47		
OOP and UML		
48	49	
Intro to SE		
50	51	52
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37	38	39	40	41
42	43	44	45	46
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50	51	52		
Spring				
53	54	55	56	57
58	59	60	61	62
63	64	65	66	
QPA				
67	68			
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69	70	71		

Question 10:

```
<class="org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean">
<property name="dataSource" ref="dataSource"/>
<property name="packagesToScan" value="com.cg.entities"/>
<property name="persistenceProviderClass" value="org.hibernate.jpa.HibernatePersistenceProvider"/>
<property name="jpaPropertyMap">
<map>
<entry key="hibernate.dialect" value="org.hibernate.dialect.Oracle10gDialect"/>
<entry key="hibernate.hbm2ddl.auto" value="update"/>
</map>
</property>
</bean>
```

Question 11:

```
<bean id="entityManagerFactory"
      class="org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean">
<property name="dataSource" ref="dataSource"/>
<property name="packagesToScan" value="com.cg.entities"/>
<property name="persistenceProviderClass" value="org.hibernate.jpa.HibernatePersistenceProvider"/>
<property name="jpaPropertyMap">
<map>
<entry key="hibernate.dialect" value="org.hibernate.dialect.Oracle10gDialect"/>
<entry key="hibernate.hbm2ddl.auto" value="update"/>
</map>
</property>
</bean>
```

Question 12:

No mapping necessary, spring will inject EntityManagerFactoryBean via annotations

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Q63 Choose the correct statement about the given Spring code:

```
@Component  
public class Order {  
    @Autowired  
    private Product product;  
    private Customer customer;  
    @Autowired  
    public Order(Customer customer) {  
        this.customer = customer;  
    }  
  
    ...  
}  
Single Choice - Select one correct answer from the options list.
```

We can do @AutoWired by constructor ,but not by name

We can do @AutoWired by constructor & by name

We can do @AutoWired by name & but not by constructor

We can do @AutoWired not by name & by constructor

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Q64 Consider the below client request:
http://localhost:8080/SomeApp/test.obj?name=Ajay

Which of the following annotation can be used to retrieve the parameter "name" in a controller method?
Single Choice - Select one correct answer from the options list.

@PathVariable
 @Param
 @RequestHeader
 @RequestParam

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Q65 Consider the below pointcut expression which is written based on AspectJ's pointcut expression language:
@Pointcut("execution(* com.cg.aop.*.test(..))")

What does the above pointcut indicate to the spring container?
Single Choice - Select one correct answer from the options list.

- Method name must start with test
- Class name must start with test
- Number of arguments must be 2
- Return type of method must be void

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Q66 What is true about the following Spring code?

```
@Controller  
public class HelloWorldController  
{  
    public ModelAndView helloWorld()  
    {  
        String message="Hello World";  
        return new ModelAndView("helloworld","message",message);  
    }  
}
```

Single Choice - Select one correct answer from the options list.

The class HelloWorldController should extend from SimpleFormController to behave as a controller component in spring 3.0.

Wrong arguments passed to the ModelAndView constructor.

Annotation @RequestMapping should be applied to the method in order to handle the client request.

Annotation @Controller should be applied to the method instead of class.

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Q67 During which phase, defects are injected ?
Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

- Requirement Gathering
- Errors in previous phase output
- Testing
- Deployment

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Q68 When is the application UI designed?
Single Choice - Select one correct answer from the options list.

- During high level design
- During architectural design
- During low level design
- Before design phase

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Q69 Which of the following are correct guidelines for creating exception handlers?
Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

No need to analyze the consequences of failures but need to find out correct probability.

No need to document the reason for the exception *(Handwritten checkmark)*

Catch the exception in the appropriate parent module *(Handwritten checkmark)*

Raise the exception whenever the condition arises in the sub module

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Q70 Identify the pseudocode which exhibits robustness.
 Single Choice - Select one correct answer from the options list.

SUB shape(sides)
 IF (sides >0 and sides <3) THEN
 PRINT "No proper mathematical shape "
 ELSE IF (sides >=3 and sides < 4) THEN
 PRINT "It Can be a Triangle"
 ELSE IF (sides >= 4 and sides<5) THEN
 PRINT "It can be a Square"
 ELSE
 PRINT "It can be a Polygon"
 END IF
 END

SUB shape(sides)
 IF(sides<=0) THEN
 PRINT "No shape"
 IF (sides >0 and sides <3) THEN
 PRINT "No proper mathematical shape"
 ELSE IF (sides >=3 and sides < 4) THEN
 PRINT "It Can be a Triangle"
 ELSE IF (sides >= 4 and sides<5) THEN
 PRINT "It can be a Square"
 END IF
 END

SUB shape(sides)
 IF(sides<=0) THEN
 PRINT "No shape"
 ELSE IF (sides >0 and sides <3) THEN
 PRINT "No proper mathematical shape"
 ELSE IF (sides >=3 and sides < 4) THEN
 PRINT "It Can be a Triangle"
 ELSE IF (sides >= 4 and sides<5) THEN

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END IF
END

SUB shape(sides)
IF(sides<=0) THEN
PRINT "No shape"
ELSE IF (sides >0 and sides <3) THEN
PRINT "No proper mathematical shape"
ELSE IF (sides > =3 and sides <4) THEN
PRINT "It Can be a Triangle"
ELSE IF (sides >= 4 and sides<5) THEN
PRINT "It can be a Square"
ELSE IF
PRINT "It can be a Polygon"
END IF
END

 SUB shape(sides)
IF(sides<=0) THEN
PRINT "No shape"
ELSE IF (sides >0 and sides <3) THEN
PRINT "No proper mathematical shape"
ELSE IF (sides > =3 and sides <4) THEN
PRINT "It Can be a Triangle"
ELSE IF (sides >= 4 and sides<5) THEN
PRINT "It can be a Square"
ELSE IF (sides >= 5 and sides<6) THEN
PRINT "It can be a Pentagon"
ELSE
PRINT "It can be a Polygon"
END IF
END

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Q71 Walk through the following pseudocode and choose the appropriate description for the same

```

BEGIN
DECLARE fnnumbers AS FILE
DECLARE no AS INTEGER
DECLARE total AS INTEGER

IF(fileExists(fnumbers)) THEN
    OPEN fnnumbers
    READ data from the file AND STORE IN no
    WHILE (NOT EOF)
        total=total + no
        READ data from the file AND STORE IN no
    END Until
    DISPLAY total
    CLOSE file
END IF
END

```

Single Choice - Select one correct answer from the options list.

- This pseudocode will read all even numbers from a file, add all the numbers and display the total.
- This pseudocode will read all numbers from a file, add all the numbers and display the total. ✓
- This pseudocode will read all odd numbers from a file, add all the numbers and display the total.
- This pseudocode will read all numbers from a file except the first, add all the numbers and display the total.

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Q72 Which of the following method/s are available in jQuery object to work with CSS class attribute?
Single Choice - Select one correct answer from the options list.

addClass()
removeClass()
toggleClass()
All of the Above

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Q73 What is the <port> element implication in WSDL?
Single Choice - Select one correct answer from the options list.

<port> defines the connection point to a web service ✓

<port> defines the data-types for simple element

There is no <port> element in WSDL

None of the above

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Q74 Refer the below code and select the correct reference of directive on html?

```
angular.module('myApp', []).directive('helloWorld', function() {  
  return {  
    restrict:'E',  
    template: '<h3>Hello, World!</h3>'  
  };  
});
```

Single Choice - Select one correct answer from the options list.

<hello-world></hello-world> ✓

<div hello-world></div>

<div data-world></div>

<div data\$hello\$world></div>

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Q75 Given the code snippet below, which of the following statement is true?

```
@PersistenceContext  
private EntityManager em;  
public void registerCustomer(){  
    Customer cust = new Customer(); // Line 1  
    cust.setName("Tanmaya"); // Line 2  
    em.persist(cust); // Line 3  
}
```

Single Choice - Select one correct answer from the options list.

- At line 3 the customer instance is a managed Entity .
- At line 1 the customer instance is a new Entity .
- At line 3 the new record will be inserted in customer table.

All of the Above

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