https://icompassweb.fs.capgemini.com/iCompass/images/icompass_logo.png

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https://icompassweb.fs.capgemini.com/iCompass/images/capgemini.png

**Section:**

* **1**
* **2**
* **3**
* **4**
* **5**
* **6**
* **7**

**Time Left :** **14 : 59**

**List View**



*Active     Attempted     Not Attempted*

**Q1**

 Will the below code snippet displays the heading 'Capgemini' at Medium Mode in bootstrap:  
  
<div class="visible-md"><h1>Capgemini</h1></div>

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

TRUE

FALSE

**Q2**

Given HTML code snippet:  
  
<INPUT type="radio" value="CSS3" name="tech">CSS3<br>  
<INPUT type="radio" value="Javascript" name="tech">Javascript <br>  
<INPUT type="radio" value="HTML5" name="tech">HTML5<br>  
<INPUT type="radio" value="XML" name="tech">XML<br>  
  
How many radio buttons can be selected at a time?

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

4

3

2

1

**Q3**

Choose the correct style example of class selector?

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

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;  
}

**Q4**

Consider the below requirement and identify which JPA query implementation will be suitable to fulfill the same.  
  
Jack wants to avoid runtime cast exception and  to implement type safety for the result returned from the JPA query.

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

Query

NamedQuery

TypedQuery

None of the above

**Q5**

What causes the entity manager to move an Entity instance from the managed to the detached state?

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

Invoke the detach() method of the entity manager on the instance

Invoke the remove() method of the entity manager on the instance

Invoke the unsynchronized() method of the entity manager on the instance

Invoke the persist() method of the entity manager on the instance

**Q6**

To define routes for application, create a Routes configuration and then use \_\_\_\_\_\_\_\_.

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

Router.forRoot(routes)

RouterModule.forRoot(routes)

const routes: Routes = [  
{ path: '', redirectTo: 'home', pathMatch: 'full' }]

const routes: Routes = []

**Q7**

function f(input: boolean) {  
    let a = 100;  
    if (input) {  
        let b = a + 1;  
        return b;  
    }  
    return b;  
}  
  
What is the output?

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

undefined

101

Compilation error for b

Compilation error for a

**Q8**

function doGet(one:number,two=5,three?:number):void  
{  
    console.log(one.toString());  
    console.log(two.toString());  
      
}  
doGet(10);  
  
What will be the output of above code?

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

10  
5

10

error at runtime

compilation error 

**Q9**

Which of the given command is used to generate a component 'myComponent' using Angular CLI?

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

ng generate component myComponent

ng g c myComponent

both 1 and 2

None of the above

**A.3**

**Q10**

Using Slicepipe answer below question?  
  
 var = "abcdefghijk";  
  {{ var | slice : 3 : -3 }}

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

defghi

defgh

kjih

abc

**Q11**

RxJS provides the \_\_\_\_\_\_\_\_\_ operator that lets you handle known errors in the observable receipe.

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

catchError

handleError

map

response

**Q12**

@WebServlet(name="MyServlet", urlPatterns={"/myApp","/myServlet"}  
public class MyServlet extends HttpServlet {}  
  
Which of the given url is correct to request above servlet?

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

http://localhost:8080/MyProject/myApp

http://localhost:8080/MyProject/myServlet

Both 1 and 2

None of the above

**Q13**

Which keyword marks a member variable as not to be serialized, when it is persisted?

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

transient

synchronized

default

None of the above

**Q14**

import java.util.TreeSet;  
public class Demo {  
public static void main(String[] args) {  
TreeSet<Integer> treeSet = new TreeSet<Integer>((o1, o2) -> (o1 > o2) ? -1  
: (o1 < o2) ? 1 : 0);  
treeSet.add(850);  
treeSet.add(235);  
treeSet.add(1080);  
treeSet.add(15);  
treeSet.add(5);  
System.out.println(treeSet);  
}  
}  
  
What will be the output?

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

[1080, 850, 235, 15, 5]

[1080, 850, 235, 5, 15]

Compilation error

[]

**Q15**

When we use both implements & extends keywords in a single java program then   
what is the order of keywords to follow?

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

We must use always extends first and then implements keyword.

We must use always implements first and later extends keyword.

We can use the keywords in any order

extends and implements can't be used together

**Q16**

To prevent inheritance of a class, which of the following keyword can be used?

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

super

constant

class

final

**Q17**

Which of the following are two correct ways of loading database drivers in JDBC?    

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

Class.loadName("oracle.jdbc.driver.OracleDriver");

Class.forName("oracle.jdbc.driver.OracleDriver");  
DriverManager.registerDriver (new oracle.jdbc.driver.OracleDriver());

Class.loadDriver("oracle.jdbc.driver.OracleDriver");

class.forName("oracle.jdbc.driver.OracleDriver");  
driverManager.registerDriver (new oracle.jdbc.driver.OracleDriver());

**Q18**

What is the output of below code ?  
  
public static void main(String args[])  
{  
int a=10;  
String name="null";  
try  
{  
a=name.length();  
a++;  
}  
catch(NullPointerException e)  
{  
++a;  
return;  
}  
catch(RuntimeException e)  
{  
a--;  
}  
finally{  
System.out.println(a);  
}  
}

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

No Output

5

NullPointerException

Compilation error;

**Q19**

class Doctor{  
protected int age;  
protected int getAge()  
{  
return age;  
}  
protected void setAge(int val)  
{  
age=val;  
}  
}  
class Surgeon extends Doctor  
{  
Surgeon(String val)  
{  
specialization=val;  
}  
String specilization()  
{  
return specialization;  
}  
}  
class Hospital{  
public static void main(String args[])  
{  
Surgeon s1=new Surgeon("Brain");  
Surgeon s2=new Surgeon("Heart");  
 s1.age=45;  
System.out.println(s1.age+ " "+ s1.specialization);  
System.out.println(s2.age+ " "+ s2.specialization);  
}  
}

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

45 Brain  
0 Heart

45 Heart  
0 Brain

45 Brain  
45 Heart

45 Heart  
45 Brain

Compilation error

**Q20**

Which of the following is not a core interface in Collection Framework?

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

Collection

Set

List

SortedSet

**Q21**

import java.util.stream.Stream;  
import java.util.stream.Collectors;  
class Demo {  
public static void main(String[] args) {  
Stream<Integer> i = Stream.of(1, 2, 3, 4, 5, 6);  
long count = i.collect(Collectors.counting());  
System.out.println(count);  
  
}  
  
What will be the output?

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

Compilation error

Runtime error

6

5

**Q22**

Which of the following statement is true about Regular Expression?

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

Regular expressions are a kind of language within a language, designed to help programmers   
with these searching tasks

Every language that provides Regular expressions capabilities uses one or more Regular   
expressions engines

Regular expressions engines search through textual data using instructions that are coded   
into expressions

All the above

**Q23**

Select correct query to find 2nd max salary:

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

SELECT MAX(salary) AS salary   
FROM emp   
WHERE salary IN  
(SELECT salary FROM emp MINUS SELECT MAX(salary)   
FROM emp);

SELECT MAX(salary) AS salary   
FROM emp   
WHERE salary IN  
(SELECT salary FROM emp PLUS SELECT MAX(salary)   
FROM emp);

SELECT MAX(salary) AS salary   
FROM emp   
WHERE salary IN  
(SELECT salary FROM emp PLUS SELECT MIN(salary)   
FROM emp);

SELECT MAX(salary) AS salary   
FROM emp   
WHERE salary IN  
(SELECT salary FROM emp MINUS SELECT MNI(salary)   
FROM emp);

**Q24**

\_\_\_\_\_\_\_\_\_\_\_ API  makes it easy to work with Date and Time.

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

java.util.Date

java.time package

java.sql.date

java.lang

**Q25**

Which of the following statements are not true about static in java?  
  
1) Static methods can access only static data members  
2) Static methods cannot be called without object creation  
3) Reference 'this' is never passed to static methods  
4) A copy of static variable is created per instance

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

1 and 2

2 and 4

1 ,2 and 3

1,2 and 4

**Q26**

Consider the following code:  
  
// 1: insert code here   
  public void drive();  
}  
  
// 2: insert code here   
  public void brake()  
{   
    System.out.println("braking...");  
  }  
}  
  
Which class and/or interface declaration when added at line 1 and 2, will help to compile   
the code successfully?

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

interface Vehicle {  
and  
class Car implements Vehicle {

interface Vehicle {  
and  
interface Vehicle2 extends Vehicle {

interface Vehicle {  
and  
abstract class Car implements Vehicle {

abstract class Vehicle {  
and  
class Car extends Vehicle{

**Q27**

Consider the following code and choose the correct option:  
  
class Data  
{   
Integer data;   
Data(Integer d)  
{  
data=d;  
}  
 public boolean equals(Object o)  
{  
return true;  
}  
 public int hashCode()  
{  
return 1;  
}  
}  
class Test{  
 public static void main(String ar[]){  
   Set<Data> s=new HashSet<Data>();  
   s.add(new Data(4));  
   s.add(new Data(2));  
    s.add(new Data(4));  
    s.add(new Data(1));  
   s.add(new Data(2));  
  System.out.print(s.size());  
}}

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

3

1

compilation error

Compiles but error at run time

**Q28**

Which of the given statement is true about below query?  
SELECT AVG(empSal), COUNT(\*) FROM Employee GROUP BY deptId.  
  
Note : deptId from Employee refers deptId from Department table.

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

It will display average salary and number of employees from each department.

It will generate error as COUNT(\*) is not a group function

It will generate error as AVG() is not a group function

Both 2 and 3

**Q29**

Which of the given statement is true about UnChecked Exceptions?

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

They are checked by compiler at the time of compilation

RuntimeException and its subclasses comes in the category of UnChecked Exception

SQLException is unchecked exception.

These exception must be handled in the code.

**Q30**

Which of the given are Junit building blocks?

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

Junit Vintage

Junit Jupitor

Junit Platform

All of the above

**Q31**

class TestDemo {  
    @Test  
      void testWillBeSkipped()   
{  
    System.out.println("this test class is not disabled...");  
    }  
      
    @Disabled  
    @Test  
    public void testWillBeDisabled()   
{  
     System.out.println("This test is disabled...");  
    }  
}  
  
In the above code, how many test cases will execute?

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

1

2

0

3

**Q32**

Which of the following Java interfaces can be used by TreeSet to sort user defined objects?

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

Map

List

Comparable

None

**Q33**

On execution of select statement , database returns 3 records and result is stored in resultSet object.  
What will be the output if we call resultSet.getInt(0) or resultSet.getString(0)?   
  
Note: Assuming others codes are correctly written.

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

prints the first record, 1st column information

It throws InvalidColumnIndexException , because index starts with 1 in Jdbc

will throw a compilation error as int cannot be passed to getXXX() methods in jdbc

Will not print anything

**Q34**

Are all DML statements executed through Java program auto committed?

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

TRUE

FALSE

**Q35**

Which of the following is true related to Hashtable ?

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

Hashtable does not sort key values

Hashtable allows null values as key and value

Hashtable is not synchronized

None of the above

**Q36**

Richard has created the below application in java 6.   
  
public interface Flyer{  
public abstract void fly();  
}  
  
class Plane implements Flyer{  
      public void fly()  
{  
         System.out.println("flying ");  
      }  
}  
  
The requirement is to use to use the Functional Programming feature of Java 8   
  
Identify the code for the function fly() that would produce the same output   
as per the requirement.

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

() -> return "flying";

void fly() -> { System.out.println("flying"); }

fly() -> { return "flying" }

()->System.out.println("flying");

**Q37**

Is this the correct way to write inside @Repository class?  
  
@Query("SELECT f FROM Foo f WHERE LOWER(f.name) = LOWER(:name)")  
Foo retrieveByName(@Param("name") String name);

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

TRUE

FALSE

**Q38**

Which annotation in Spring will bind the incoming HTTP request body  to method parameter   
for the same URL mentioned in @RequestMapping for that method?

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

@RequestBody

@RequestMapping

@PathVariable

None of the above

**Q39**

In Spring ReSTful controller \_\_\_\_\_\_\_\_ annotation is used to get the data from the URI path.

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

@PathVariable

@RequestParam

@RequestMapping

@RestController

**Q40**

Assume the request is coming through the url "hotelBooking",   
select the appropriate code at line 1.  
  
@Controller  
public class HotelBookingController {  
LINE 1  \_\_\_\_\_\_\_\_\_\_\_\_\_   
 public ModelAndView methodName()  
 {  
      String name="rosewood";  
  return new ModelAndView("BookingConfirmation","name",name);  
 }

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

@RequestMapping("/hotelBooking")

@RequestMapping("/hotelbooking")

@RequestParam("/hotelBooking")

@RequestMapping("hotelbooking")

**Q41**

Which of the following statements is true regarding the @ResponseStatus annotation?  
  
1. @ResponseStatus is detected on nested exceptions  
2. The ExceptionHandlerExceptionResolver uses the @ResponseStatus annotation to map  
exception to HTTP status code  
3. A controller handler is annotated with the @ResponseStatus, the response status set by  
RedirectView takes precedence over the annotation value.  
4. The @ResponseStatus annotation can go on a @RequestMapping method or a @RestController  
class or a business exception class.

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

only 1

only 1 & 2

only 1,2 & 3

1,2,3 and 4

**Q42**

Which of the given statement(s) is/are true about Spring Boot?

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

It favors convention over configuration and it is designed to get you up as quickly

It includes Foundation layer modules and Execution Layer domain specific runtimes( DSRs)

It is a product of the Spring Community focused on creating document driven web services

It extends the Spring programming model to support the well-known Enterprise Integration Pattern

**Q43**

Which of the collection is available in Spring?

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

util,props,Set,List

properties,collection,List &set

list, set, map & properties

List, Map,Hashmap

**Q44**

To map the given url to the Spring rest controller which of the given implementation is correct?  
  
http://localhost:8080/SpringRestWebServiceExample/hello/Riya

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

@RestController  
@RequestMapping("/hello")  
public class SpringRestController {  
@RequestMapping(value = "/{name}",   
method = RequestMethod.GET)  
public String hello(@PathVariable String name) {  
String result="Hello "+name;   
return result;  
}  
}

@Controller  
@RequestMapping("/hello")  
public class SpringRestController {  
@RequestMapping(value = "/{name}",   
method = RequestMethod.GET)  
public String hello(@PathVariable String name) {  
String result="Hello "+name;   
return result;  
}  
}

@RestController  
@RequestMapping("/hello")  
public class SpringRestController {  
@RequestMapping(value = "/{name}",   
method = RequestMethod.GET)  
public String hello(@RequestParam String name) {  
String result="Hello "+name;   
return result;  
}  
}

@Controller  
@RequestMapping("/hello")  
public class SpringRestController {  
@RequestMapping(value = "/{name}",   
method = RequestMethod.GET)  
public String hello(@RequestParam String name) {  
String result="Hello "+name;   
return result;  
}  
}

**Q45**

index.jsp  
<html><body>  
Click Here to <a href="user/showLogin.obj">Login</a><br/></body></html>  
  
Which of the given controller class implementation is correct to map the request after   
the execution of index.jsp? Note : Bean class name is Login

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

@Controller  
@RequestMapping(value="user")  
public class UserController {  
@RequestMapping(value="/showLogin.obj")  
public String prepareLogin(Model model)  
{  
model.addAttribute("login",new Login());  
return "login";  
}

@Controller  
public class UserController {  
@RequestMapping(value="/showLogin.obj")  
public String prepareLogin(Model model)  
{  
model.addAttribute("login",new Login());  
return "login";  
}

@Controller  
@RequestMapping(value="user")  
public class UserController {  
@RequestMapping(value="/showLogin")  
public String prepareLogin(Model model)  
{  
model.addAttribute("login",new Login());  
return "login";  
}

Both 1 and 3

**Q46**

Annotation to find a transaction and then fail, complaining that no JPA session been bound.

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

@Transaction

@Transactional

@Transactions

All of the above

**Q47**

Pick up the valid option for the scope attribute in Spring :  
  
<bean id="std" class="com.cg.Student" scope=" "/>

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

context

request

httpSession

page

**Q48**

User has entered a value in text box. Using which annotation , we can retrieve that value   
in Spring application?

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

@PathVariable

@Param

@RequestHeader

@RequestParam

@Path

**Q49**

Which of the following is valid return value for spring controller methods?  
  
1) Logical name of view as String(Example : success)  
2) Absolute path of the view as String (Example : /jsp/success/jsp")

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

1) only

2) only

1) and 2)

None of them is valid

**Q50**

Select correct view resolver from given options, that matches with below description about how it works.   
  
It looks up implementations of the View interface as beans in the Spring context, assuming that  
the bean name is the logical view name.

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

XmlViewResolver

ResourceBundleViewResolver

BeanNameViewResolver

InternalResourceViewResolver

**Q51**

Choose all BDD frameworks:  (Choose 3)

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

Cucmber

Specflow

JBehave

.NET

**Q52**

\_\_\_\_\_\_allows you to add some context to the scenarios in the feature and will be executed before all scenarios.

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

Background

Scenario Outline

Given

BUT

**Q53**

Choose All default tags supported by Cucumber. (Choose 2)

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

@Dev

@Ignore

@Develop

@Test

**Q54**

Select the operating system which is NOT supported by Selenium IDE.

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

Unix

Linux

windows

Solaris

**Q55**

What will be the default Bootstrap look of the alert created with this following code:  
  
<div class="alert" role="alert">Warning! I'm missing something.</div>

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

a default gray alert will be created.

a default blue alert will be created.

a default green alert will be created.

a default red alert will be created.

**Q56**

Select the name which is NOT the type of the locaters.

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

ID

Name

Password

Link Text

**Q57**

Gherkin language uses several keywords to describe the behavior of application.  
Identify which of the given option is correct w.r.t it.

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

Feature, Scenario, Scenario Outline, Given, When, Then, BUT, \*

Feature, Scenario, Given, When, OR ,EXCEPT

Given, When, OR,THEN

Given, When, BUT,THEN

**Q58**

Select the correct option that describes the backround in Gherkin:

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

Background acts as a heading for a Scenario

Background will be executed before every scenario and perform the operation specified

It defines the summary of what will be testing

None of the above

**Q59**

Behavior-drivendevelopment(BDD) is a software development \_\_\_\_\_\_\_\_\_\_ in which an application   
is specified and designed by describing how its behavior should appear to an outside observer.

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

framework

methodology

tool

none of the above

**Q60**

\_\_\_\_\_\_\_ is a way of parameterization of scenarios. This is ideally used when the same scenario   
needs to be executed for multiple sets of data, however, the test steps remain the same.

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

pass by Datatable

Scenario Outline

Scenario

Scenario Example

Web Basics

123

JPA with Hibernate

45

Angular 6

67891011

Servlets

12

Core Java

131415161718192021222324252627282930313233343536

Spring

3738394041424344454647484950

BDD

51525354555657585960

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