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SR.NC	Project NAME	Technology
1	Online E-Learning Platform Hub	React+Springboot+MySql
2	PG Mates / RoomSharing / Flat Mates	React+Springboot+MySql
3	Tour and Travel management System	React+Springboot+MySql
4	Election commition of India (online Voting System)	React+Springboot+MySql
5	HomeRental Booking System	React+Springboot+MySql
6	Event Management System	React+Springboot+MySql
7	Hotel Management System	React+Springboot+MySql
8	Agriculture web Project	React+Springboot+MySql
9	AirLine Reservation System / Flight booking System	React+Springboot+MySql
10	E-commerce web Project	React+Springboot+MySql
11	Hospital Management System	React+Springboot+MySql
12	E-RTO Driving licence portal	React+Springboot+MySql
13	Transpotation Services portal	React+Springboot+MySql
14	Courier Services Portal / Courier Management System	React+Springboot+MySql
15	Online Food Delivery Portal	React+Springboot+MySql
16	Municipal Corporation Management	React+Springboot+MySql
17	Gym Management System	React+Springboot+MySql
18	Bike/Car ental System Portal	React+Springboot+MySql
19	CharityDonation web project	React+Springboot+MySql
20	Movie Booking System	React+Springboot+MySql

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21	Job Portal web project	React+Springboot+MySql
22	LIC Insurance Portal	React+Springboot+MySql
23	Employee Management System	React+Springboot+MySql
24	Payroll Management System	React+Springboot+MySql
25	RealEstate Property Project	React+Springboot+MySql
26	Marriage Hall Booking Project	React+Springboot+MySql
27	Online Student Management portal	React+Springboot+MySql
28	Resturant management System	React+Springboot+MySql
29	Solar Management Project	React+Springboot+MySql
30	OneStepService LinkLabourContractor	React+Springboot+MySql
31	Vehical Service Center Portal	React+Springboot+MySql
32	E-wallet Banking Project	React+Springboot+MySql
33	Blogg Application Project	React+Springboot+MySql
34	Car Parking booking Project	React+Springboot+MySql
35	OLA Cab Booking Portal	React+Springboot+MySql
36	Society management Portal	React+Springboot+MySql
37	E-College Portal	React+Springboot+MySql
38	FoodWaste Management Donate System	React+Springboot+MySql
39	Sports Ground Booking	React+Springboot+MySql
40	BloodBank mangement System	React+Springboot+MySql
41	Bus Tickit Booking Project	React+Springboot+MySql
42	Fruite Delivery Project	React+Springboot+MySql
43	Woodworks Bed Shop	React+Springboot+MySql
44	Online Dairy Product sell Project	React+Springboot+MySql
45	Online E-Pharma medicine sell Project	React+Springboot+MySql
46	FarmerMarketplace Web Project	React+Springboot+MySql
47	Online Cloth Store Project	React+Springboot+MySql
48		React+Springboot+MySql
49		React+Springboot+MySql
50		React+Springboot+MySql

# Advance Java CCEE Mock Test

Total points 7/40 

CDAC Mumbai Sep2022

0 of 0 points

Roll Number (12 Digit) \*

SX

Center \*

Kharghar

Name \*

AX

Questions

7 of 40 points



✗ When a JSP page is compiled, what is it turned into \*

0/1

- Application
- Servlet
- Applet
- Mailet

✗

Correct answer

- Servlet

✗ Assume that you need to write a JSP page that adds numbers from one \*0/1 to ten, and then print the output.

```
<% int sum = 0;  
for(j = 0; j < 10; j++) { %>  
// XXX --- Add j to sum  
// YYY --- Display the sum
```

Which statement when placed at the location XXX can be used to compute the sum.

- <%= sum = sum + j %>
- <% sum = sum + j %>
- <% sum = sum + j; %>
- <%= sum = sum + j; %>

✗

Correct answer

- <% sum = sum + j; %>



**X Which option is incorrect about Spring Framework? \***

0/1

- It is a lightweight framework.
- Spring applications are loosely coupled because of dependency injection. **X**
- It provides declarative support for caching, validation, transaction, and formatting
- It offers only Java-based annotations for configuration options.

**Correct answer**

- It offers only Java-based annotations for configuration options.

**X Which of the following is correct about Statement? \***

0/1

- All of given
- Useful when you are using static SQL statements at runtime **X**
- The Statement interface cannot accept parameters.
- Used for general-purpose access to your database

**Correct answer**

- All of given



- ✖ Suppose you are working on a Spring based Web Application. Generally, there are three ways to implement a core feature of Spring framework in your application. Below are the three ways: \*0/1

1) Using Annotation   2) Using XML configuration   3) Implementing Interfaces provided by Spring framework

Which option is correct if you want to define Bean Lifecycle methods in your project:

- Only Option (1)
- Option (1) & Option (2)
- Option (2) & Option (3)
- All three

Correct answer

- All three

- ✖ Select the option which is true about BeanFactory & ApplicationContext in the Spring Framework \*0/1

- Any description of ApplicationContext capabilities and behavior should be considered to apply to BeanFactory as well. ✖
- An ApplicationContext is a complete superset of a BeanFactory
- When building most applications in a J2EE-environment, the best option is to use the BeanFactory, since it offers all the features of the ApplicationContext.
- BeanFactory builds on top of the ApplicationContext.

Correct answer

- An ApplicationContext is a complete superset of a BeanFactory



- ✖ You are working in a Spring based web application. You declare the scope \*0/1 of a bean by using annotations. Select the option which is incorrect in declaring the scope.

```
@Component  
@Scope("request")  
public class Product {  
    //some methods and properties  
}
```

A

✖

```
@Component  
@Scope("session")  
public class Product {  
    //some methods and properties  
}
```

B

```
@Component  
@SessionScope  
public class Product {  
    //some methods and properties  
}
```

C

```
@Component  
@SessionScope  
public class Product {  
    //some methods and properties  
}
```

D

Correct answer

C



✗ What gets printed when the following JSP code is invoked in a browser? \* 0/1

< %= if(Math.random() < 0.5) % >

hello

< %= } else { % >

hi

< %= } % >

- The string hello will always get printed.
- The JSP file will not compile.
- The string hi will always get printed.
- The browser will print either hello or hi based upon the return value of random.

Correct answer

- The JSP file will not compile.

✗ How can you execute a stored procedure in the database? \* 0/1

- Call method run() on a ProcedureCommand object
- Call method execute() on a CallableStatement object
- Call method executeProcedure() on a Statement object
- Call method execute() on a StoredProcedure object

Correct answer

- Call method execute() on a CallableStatement object



✖ A bean with a property color is loaded using the following statement \*0/1

< jsp:usebean id="fruit" class="Fruit" />

Which of the following statements may be used to set the color property of the bean.

< jsp:setValue name="fruit" property="color" value="white"/> ✖

< jsp:setColor name="fruit" property="color" value="white"/>

< jsp:setProperty name="fruit" property="color" value="white"/>

< jsp:setColor id="fruit" property="color" value="white"/>

Correct answer

< jsp:setProperty name="fruit" property="color" value="white"/>

✖ Four annotations given below, are used in Spring Boot based application. \*0/1

Which one is the annotation of Spring Boot that is an alternative to Spring's standard @Configuration annotation?

@EnableAutoConfiguration

@ConfigurationProperties

@ConfigurationPropertiesScan ✖

@SpringBootConfiguration

Correct answer

@SpringBootConfiguration



✓ Which option is true for the role of BeanFactory in Spring Framework: \* 1/1

- BeanFactory provides access to messages in i18n-style
- BeanFactory provides event propagation to beans implementing the ApplicationListener interface
- BeanFactory provides the configuration framework and basic functionality ✓
- BeanFactory provides access to resources, such as URLs and files

✓ Which packages contain the JDBC classes? \* 1/1

- java.jdbc and javax.jdbc
- java.jdbc and java.jdbc.sql
- java.sql and javax.sql ✓
- java.rdb and javax.rdb

✓ Which option is incorrect about @Component annotation? \* 1/1

- It scans our application for classes annotated with @Component
- It instantiates classes whenever required
- It doesn't inject any specified dependencies ✓
- It supports Spring's auto-detection mechanism



✓ Consider the following HTML page code:

\*1/1

```
<html>  
  <body>  
    <a href="/servlet/HelloServlet" >POST</a>  
  </body>  
</html>
```

Which method of HelloServlet will be invoked when the hyperlink is clicked?

- servicePost
- doGet ✓
- doHref
- doPost

✗ For an entity class Car(id, model, year) which of these JPA queries is valid \*0/1 to fetch all the BMW cars?

- select c from Car c where c.model="bmw"
- select \* from Car c where c.model=:param1 ✗
- select c from Car c where c.model=:param1
- from Car c where c.model=:param1

Correct answer

- select c from Car c where c.model=:param1



✗ A POJO class written and this class to work as an entity to implement the ORM concept. What are the minimum required annotations we must use at the class to create a table in the database? \*0/1

- @Id, @GeneratedValue
- @Table, @Entity, @Id
- @Id, @Entity
- @Column, @Entity, @Table

✗

Correct answer

- @Id, @Entity

✗ Which method in the HttpServlet class services the HTTP POST request? \* 0/1

- doPOST(HttpServletRequest, HttpServletResponse)
- servicePost(HttpServletRequest, HttpServletResponse)
- doPost(HttpServletRequest, HttpServletResponse)
- doPost(HttpServletRequest, HttpServletResponse)

✗

Correct answer

- doPost(HttpServletRequest, HttpServletResponse)



✗ What is the key difference between using a <jsp:forward> and `HttpServletResponse.sendRedirect()`?

\*0/1

- forward executes on the server while `sendRedirect()` executes on the client
- The two methods perform identically. ✗
- forward executes on the client while `sendRedirect()` executes on the server
- none

Correct answer

- forward executes on the server while `sendRedirect()` executes on the client

✗ What annotation is used to map value to the method argument in `http://localhost/factorial/{value}`?

\*0/1

- `@Map`
- `@Param` ✗
- `@RequestParam`
- `@PathVariable`

Correct answer

- `@PathVariable`



✗ <%@ page language="java" %> \*

0/1

```
<% int x=0;  
while(x<=10)  
{  
%>  
out.println(%=x++%);  
<%}%>
```

The output of the above JSP file is

- prints 1 to 9
- Goes into infinite loop
- prints 10 times out.println(%=x++% >
- prints 1 to 10

Correct answer

- Goes into infinite loop

✗



**X Which of the following is correct about JDBC? \***

0/1

- JDBC architecture decouples an abstraction from its implementation.
- JDBC follows a bridge design pattern. X
- Both of the above.
- None of the above

**Correct answer**

- Both of the above.

**X Which statement is wrong? \***

0/1

- HQL is case insensitive for class names and properties
- SQL operates on relations , HQL operates on objects.
- HQL supports polymorphic queries X
- HQL is ultimately generated into underlying SQL.

**Correct answer**

- HQL is case insensitive for class names and properties



✖ Which of the following is not an advantage of Hibernate Criteria API? \* 0/1

- Allows to fetch only selected columns of result
- Can add conditions while fetching results
- Allows to use aggregate functions
- Cannot order the result set

✖

Correct answer

- Cannot order the result set

✖ Which of the following method is static and synchronized in JDBC API? \* 0/1

- executeUpdate()
- executeQuery()
- prepareCall()
- getConnection()

✖

Correct answer

- getConnection()



✖ There are two entities in a application: Student & Address. A relation where One student can have multiple addresses and one address can accommodate multiple students in a bidirectional relationship. We doesn't want hibernate to create one additional table. Which of the following annotation and its attribute will you use to fulfil the given requirement? \*0/1

- @ManyToMany and mappedBy
- @ManyToOne and mappedBy
- @OneToOne and MappedBy
- @OneToMany and MappedBy

Correct answer

- @OneToMany and MappedBy

✖

- ✗ Suppose you are working on a Hibernate-based application. You have two \*0/1 classes as below. You want to create a table into the database using hibernate ORM concept.

```
public class Employee {  
  
    private int id;  
  
    private Name name;  
  
    private double salary;  
  
    // getters & setters  
  
}  
  
public class Name {  
  
    private String firstName;  
  
    private String lastName;  
  
    //getters & setters  
  
}
```

You want to create a table named 'employee' with 4 columns: Id, firstName, lastName, salary. Which option is correct to create the aforesaid table. Assume that table & column names are not case-sensitive

```
public class Employee {  
    @Id  
    private int id;  
    private Name name;  
    private double salary;  
    // getters & setters  
}  
@Embeddable  
public class Name {  
    private String firstName;  
    private String lastName;  
    // getters & setters  
}
```

```
@Entity  
public class Employee {  
    @Id  
    private int id;  
    @Embedded  
    private Name name;  
    private double salary;  
    // getters & setters  
}  
@Embedded  
public class Name {  
    private String firstName;  
    private String lastName;  
    // getters & setters  
}
```

A

X

B

```
@Entity  
public class Employee {  
    @Id  
    private int id;  
    @Embedded  
    private Name name;  
    private double salary;  
    // getters & setters  
}  
  
@Entity  
public class Name {  
    private String firstName;  
    private String lastName;  
    // getters & setters  
}
```

C

```
@Entity  
public class Employee {  
    @Id  
    private int id;  
    @Embeddable  
    private Name name;  
    private double salary;  
    // getters & setters  
}  
  
@Entity  
public class Name {  
    private String firstName;  
    private String lastName;  
    // getters & setters  
}
```

D

Correct answer

C

**X** Which of the following steps establishes a connection with a database? \* 0/1

- Import packages containing the JDBC classes needed for database programming. **X**
- Open a connection using the DriverManager.getConnection () method.
- Register the JDBC driver, so that you can open a communications channel with the database.
- Execute a query using an object of type Statement

Correct answer

- Open a connection using the DriverManager.getConnection () method.



✖ Which annotation binds a JPA Query parameter to a method argument? \* 0/1

- @QueryParameter
- @QueryParam ✖
- @RequestParam
- @Param

Correct answer

- @Param

✖ What is the purpose of @SpringBootConfiguration annotation in a Spring Boot web application? \*0/1

- enables Spring Boot's auto-configuration mechanism
- enables registration of extra beans in the context
- scans on the package where the application is located ✖
- disables additional configuration classes from the application

Correct answer

- enables registration of extra beans in the context



✗ Session tracking can be achieved using \*

0/1

- All of the given
- URL Rewriting
- User authorisation
- Hidden form fields

✗

Correct answer

- All of the given

✗ Select the incorrect statement about BeanFactory in Spring Framework? \* 0/1

- BeanFactory supports the Annotation-based dependency Injection
- BeanFactory is capable of creating associations between dependent objects while instantiating them
- BeanFactory instantiates beans whenever asked by the client application
- BeanFactory holds bean definitions

✗

Correct answer

- BeanFactory supports the Annotation-based dependency Injection



✗ What is the built-in library in Spring Boot used to serialize objects to JSON \*0/1  
format?

- Gson
- MessageConverter ✗
- Jackson
- JsonFormatter

Correct answer

- Jackson

✗ Interservlet communication can be achieved using \* 0/1

- ServletContext
- HttpSessionContext
- HttpServletRequestContext ✗
- SessionContext

Correct answer

- ServletContext



✗ What is the property used to change the port to 9090 in a Spring Boot application? \*0/1

- port=9090
- Cannot be changed
- server=9090
- server.port=9090

✗

Correct answer

- server.port=9090

✗ Which of the following files is the correct name and location of deployment descriptor of a web application. Assume that the web application is rooted at \doc-root. Select the one correct answer \*0/1

- \doc-root\WEB\_INF\dd.xml
- \doc-root\web.xml
- \doc-root\WEB-INF\web.xml
- \doc-root\dd.xml

✗

Correct answer

- \doc-root\WEB-INF\web.xml



✓ In JPA, which one of the following annotation converts the date and time values from Java object to compatible database type and retrieves back to the application. \*1/1

- @Time
- @Date
- @Temporal
- @Timestamp



✗ What annotation is used to map a method for PUT request? \* 0/1

- @Put
- @Post
- @PostMapping
- @PutMapping



Correct answer

- @PutMapping

✓ After EntityManager is closed, entity is in a \_\_\_\_\_ state. \* 1/1

- detached
- persistent
- dead
- managed



✓ Name the class that includes the getSession method that is used to get the HttpSession object \*1/1

- SessionConfig
- HttpServletRequest ✓
- HttpServletResponse
- SessionContext

0 of 0 points

#### Feedback

zxC

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# ADS CCEE Mock Test2

Total points 13/40 ?

0 of 0 points

PRN: \*

1

NAME: \*

A

Centre: \*

Juhu

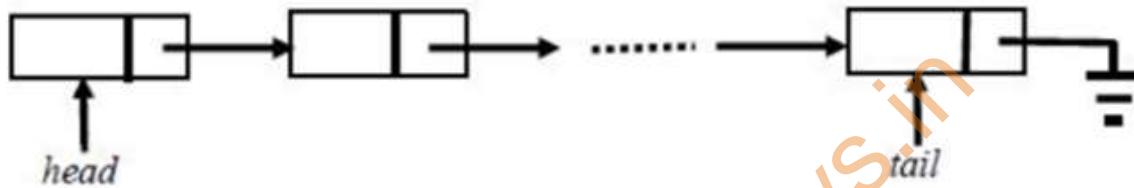
MCQ

13 of 40 points



- ✓ A queue is implemented using a non-circular singly linked list. The queue has a head pointer and a tail pointer, as shown in the figure. Let n denote the number of nodes in the queue. Let 'enqueue' be implemented by inserting a new node at the head, and 'dequeue' be implemented by deletion of a node from the tail.

Which one of the following is the time complexity of the most time-efficient implementation of 'enqueue' and 'dequeue', respectively, for this data structure?



- a)  $\Theta(1), \Theta(1)$
- b)  $\Theta(1), \Theta(n)$
- c)  $\Theta(n), \Theta(1)$
- d)  $\Theta(n), \Theta(n)$



- ✗ Which of the following are related to stack? \*

0/1

- push
- pop
- LIFO
- All of the above



Correct answer

- All of the above



✗ Which of the following types of Linked List support forward and backward traversal?

\*0/1

- A. Singly Linked List
- B. Doubly Linked List
- C. Circular Singly Linked List
- D. All of these

✗

Correct answer

- C. Circular Singly Linked List

✓ What this code is doing in a Binary search tree? \*

1/1

```
void do_job(BST node){  
    If(node!=NULL)  
    {  
        do_job (node.left());  
        do_job (node.right());  
        cout<<node.data;  
    }  
}
```

- a) Traversing post-order
- b) Traversing pre-order
- c) Traversing in-order
- d) Finding the dept

✓



✗ In-order, pre-order and post-order can be applied to \*

0/1

- any trees
- only binary trees
- any trees other than binary trees
- None of the above

✗

Correct answer

- only binary trees

✓ What is recurrence for worst case of QuickSort and what is the time complexity in Worst case? \*1/1

- a. Recurrence is  $T(n) = T(n-1) + O(n)$  and time complexity is  $O(n^2)$
- b. Recurrence is  $T(n) = T(n-2) + O(n)$  and time complexity is  $O(n^2)$
- c. Recurrence is  $T(n) = 2T(n/2) + O(n)$  and time complexity is  $O(n \log n)$
- d. Recurrence is  $T(n) = T(n/10) + T(9n/10) + O(n)$  and time complexity is  $O(n \log n)$

✓



✗ *The Floyd-Warshall algorithm for all-pair shortest paths computation is based on* \*0/1

- a. Greedy paradigm ✗
- b. Divide-and-Conquerparadigm.
- c. Dynamic Programing paradigm.
- d. neither Greedy nor Divide-and-Conquer nor Dynamic Programming paradigm

Correct answer

- c. Dynamic Programing paradigm.

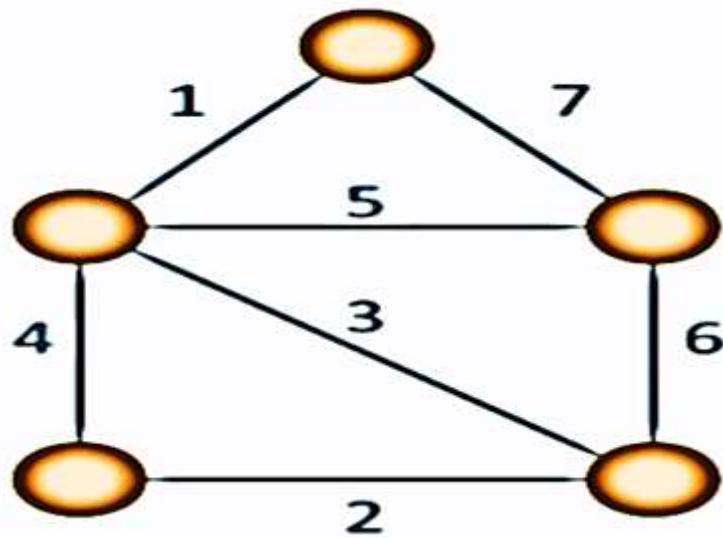
✓ A single array  $A[1..MAXSIZE]$  is used to implement two stacks, The two stacks grow from opposite ends of the array. Variables  $top1$  and  $top2$  ( $top1 < top2$ ) point to the location of the topmost element in each of the stacks, If the space is to be used efficiently, the condition for "stack full" is \*1/1

- $(top1 = MAXSIZE/2) \text{ AND } (top2 = MAXSIZE/2 + 1)$
- $top1 + top2 = MAXSIZE$
- $(top1 = MAXSIZE/2) \text{ or } (top2 = MAXSIZE)$
- $top1 = top2 - 1$  ✓



✖ Consider the following undirected graph with edge weight as shown: \* 0/1

The minimum-weight spanning trees of the graph is ---



- 10
- 11
- 12
- 11.5

Correct answer

- 11

✖



✗ The minimum number of fields with each node of doubly linked list is \* 0/1

- 1
- 2
- 3
- 4

✗

Correct answer

- 3

✗ In \_\_\_\_\_ the exploration of node is suspended as soon as new unexplored node is reached. \*0/1

- BFS
- DFS
- Prims algorithm
- Kruskal's algorithm

✗

Correct answer

- DFS



✖ Convert the following infix expression into their Postfix form \*

0/1

$(X^Y)/(A*B)$

- / ^ XY \* A B
- XY ^ AB \* /
- X ^ Y AB \* /
- None of the above

✖

Correct answer

- XY ^ AB \* /

✓ Given a binary-max heap. The elements are stored in an arrays as  
25,14,16,13,10,8,12. What is the content of the array after two delete  
operations? \*1/1

- a. 14,13,8,12,10
- b. 14,12,13,10,8
- c. 14,13,12,8,10
- d. 14,13,12,10,8

✓



✗ How much time is required by Prim's algorithm of Graph(G) & n is the number of vertices? \*0/1

- O(n)
- O( $n^2$ )
- O(log n)
- O(n log n)

✗

Correct answer

- O( $n^2$ )

✓ Queue can be used to implement \* 1/1

- radix sort
- quick sort
- recursion
- depth first search

✓



- ✗ A binary search tree T contains n distinct elements. What is the time complexity of picking an element in T that is smaller than the maximum element in T? \*0/1

- Θ(nlogn)
- Θ(n)
- Θ(logn)
- Θ(1)

✗

Correct answer

- Θ(1)

- ✗ Suppose each set is represented as a linked list with elements in arbitrary order. Which of the operations among union, intersection, membership, and cardinality will be the slowest? \*0/1

- Union only
- Intersection, membership
- Membership, cardinality
- Union, intersection

✗

Correct answer

- Union, intersection



✗ Point mutations of strings str1 into str2 are \*

0/1

- change a letter
- insert a letter or
- delete a letter
- Any one of the above

✗

Correct answer

- Any one of the above

✓ The concatenation of two lists is to be performed in O(1) time. Which of \*1/1  
the following implementations of a list should be used?

- a. Singly linked list
- b. Doubly linked list
- c. Circular doubly linked list
- d. Array implementation of lists

✓



**X What is the recursive traversing of Pre-order traversal \***

0/1

- a) traverse the left subtree, visit the root node and traverse the right sub-tree
- b) visit the root node, traverse the left sub-tree, and traverse the right sub-tree
- c) traverse the left sub-tree, traverse the right sub-tree, and visit the root node
- d) None of the above

**X****Correct answer**

- b) visit the root node, traverse the left sub-tree, and traverse the right sub-tree

**X What is the best case complexity of quick sort? \***

0/1

- $\Omega(n)$
- $\Theta(n \log n)$
- $\Omega(n(\log n))$
- $\Omega(\log n)$

**X****Correct answer**

- $\Omega(n \log n)$



✓ What is the worst-case number of arithmetic operations performed by recursive binary search on a sorted array of size n? \*1/1

- $\Theta(\sqrt{n})$
- $\Theta(\log_2(n))$  ✓
- $\Theta(n^2)$
- $\Theta(n)$

✗ An advantage of chained hash table (external hashing) over the open addressing scheme is \*0/1

- a. Worst case complexity of search operations is less
- b. Space used is less ✗
- c. Deletion is easier
- d. None of the above

Correct answer

- c. Deletion is easier



- ✓ In a doubly linked list, the number of pointers affected for an insertion operation will be \*1/1

- 4
- 0
- 1
- None of the above



- ✗ The number of rotations required to insert a sequence of elements 9, 6, 5, 8, 7, 10 into an empty AVL tree is? \*0/1

- 0
- 1
- 2
- 3

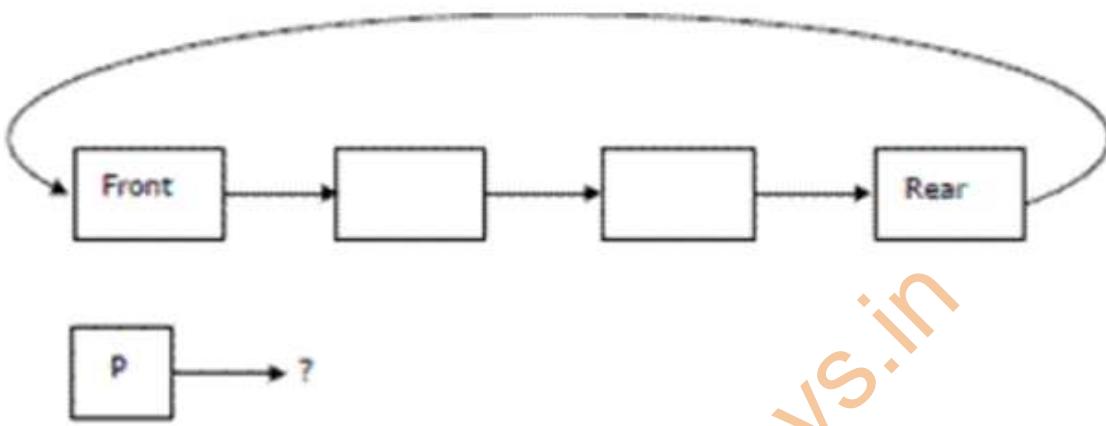


Correct answer

- 3



- ✖ A circularly linked list is used to represent a Queue. A single variable p is used to access the Queue. To which node should p point such that both the operations enQueue and deQueue can be performed in constant time? \*0/1



- a) Rear node
- b) Front node
- c) Not possible with a single pointer
- d) Node next to front

✖

Correct answer

- a) Rear node



✗ What is the worst-case performance of Selection sort algorithm? \*

0/1

- $O(\log n)$
- $O(n * n)$
- $O(n)$
- $O(n \log n)$

✗

Correct answer

- $O(n * n)$

✓ What is the use of Dijkstra's algorithm? \*

1/1

- Job sequencing
- Find the minimum spanning tree
- Single source shortest path
- None of these

✓



✖ Which of the following condition is sufficient to detect cycle in a directed \*0/1 graph?

- There is an edge from currently being visited node to an ancestor of currently visited node in DFS forest.
- There is an edge from currently being visited node to an already visited node.
- Every node is seen twice in DFS. ✖
- None of the above

Correct answer

- There is an edge from currently being visited node to an ancestor of currently visited node in DFS forest.

✖ What is the time complexity of build Heap operation. Build Heap is used \*0/1 to build a max(or min) binary heap from a given array. Build Heap is used in Heap Sort as a first step for sorting

- a.  $O(n\log n)$
- b.  $O(n^2)$
- c.  $O(\log n)$  ✖
- d.  $O(n)$

Correct answer

- d.  $O(n)$



- ✗ A binary search tree T contains n distinct elements. What is the time complexity of picking an element in T that is smaller than the maximum element in T? \*0/1

- $\Theta(n \log n)$
- $\Theta(n)$
- $\Theta(\log n)$
- $\Theta(1)$

✗

Correct answer

- $\Theta(1)$

- ✗ Suppose you are given an array  $s[1..n]$  and a procedure reverse ( $s, i, j$ ) which is the reverse-order of elements in  $s$  between positions  $i$  and  $j$  (both inclusive). What does the following sequence do, where  $1 \leq x < n$ : reverse ( $s, 1, x$ ); \*0/1

- reverse ( $s, x+1, x$ );
- reverse ( $s, 1, n$ );
- Rotates  $s$  left by  $x$  positions
- Leaves  $s$  unchanged

✗

Correct answer

- reverse ( $s, x+1, x$ );



- ✓ In a complete k-ary tree, every internal node has exactly k children or no child. The number of leaves in such a tree with n internal nodes is: \*1/1

- nk
- $(n-1)k+1$
- $n(k-1)+1$  ✓
- $n(k-1)$

- ✓ The following numbers are inserted into an empty binary search tree in the given order: 10, 1, 3, 5, 15, 12, 16. What is the height of the binary search tree (the height is the maximum distance of a leaf node from the root)? \*1/1

- 2
- 3 ✓
- 4
- 6

✗ What sorting algorithms have equal best case and worst case time complexity? \*0/1

- heap and selection sort
- insertion sort & merge sort ✗
- merge sort and heap sort
- None of these

Correct answer

- merge sort and heap sort

✓ We have a binary heap on  $n$  elements and wish to insert  $n$  more elements \*1/1 (not necessarily one after another) into this heap. The total time required for this is

- a.  $\Theta(\log n)$
- b.  $\Theta(n)$  ✓
- c.  $\Theta(n \log n)$
- d.  $\Theta(n^2)$



✖ Consider an implementation of the unsorted single linked list. Suppose it \*0/1 has its representation with a head and a tail pointer (i.e. pointers to the first and last nodes of the linked list). Given the representation, which of the following operation can not be implemented in O(1) time?

- Insertion at the front of the linked list.
- Insertion at the end of the linked list.
- Deletion of the front node of the linked list.
- Deletion of the last node of the linked list.

Correct answer

- Deletion of the last node of the linked list.

✖

✖ Floyd-Warshall algorithm utilizes \_\_\_\_\_ to solve the all-pairs shortest \*0/1 paths problem on a directed graph in \_\_\_\_\_ time.

- a. Greedy algorithm,  $\theta(V^3)$
- b. Greedy algorithm,  $\theta(V^2 \log n)$
- c. Dynamic Programming,  $\theta(V^3)$
- d. Dynamic Programming,  $\theta(V^2 \log n)$

✖

Correct answer

- c. Dynamic Programming,  $\theta(V^3)$



✗ A Stack structure would require \*

0/1

- head pointer to remove an existing node
- tail pointer to add to a new node
- both (a) and (b)
- None of the above

✗

Correct answer

- head pointer to remove an existing node

✗ Merge sort uses \_\_\_\_\_ strategy \*

0/1

- backtracking
- heuristic
- greedy
- divide and conquer

✗

Correct answer

- divide and conquer

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# CPOS CCEE Mock Test1

Total points 10/40



0 of 0 points

PRN \*

aa

Name: \*

asa

Centre: \*

Kharghar



MCQ

10 of 40 points



✓ class Exam{  
    public static void main(String abc[ ]){  
        int x =10;  
        int y= 15;  
  
        if(x++ >10 && -y>10){  
  
        }  
        System.out.print(x+"," +y);  
  
        if(x++>10 && -y>10){  
            }  
        System.out.print(x+"," +y);  
    }  
}

1/1

- 11,15 11,14
- 11,15 12,14
- 10,15 12,14
- 11,14 11,15

✓

✗ which of the following signals cannot be blocked ignored and caught

0/1

- SIGINT SIGSTOP
- SIGINT SIGKILL
- SIGINT SIGILL
- SIGKILL SIGSTOP

✗

Correct answer

- SIGKILL SIGSTOP



✗ The following is not a form of IPC \*

0/1

- Semaphore
- Pipe
- Shared memory
- Buffering

✗

Correct answer

- Buffering

✗ Scheduling of threads are done by \_\_\_\_\_.\*

0/1

- Input
- Output
- Operating System
- Main Memory

✗

Correct answer

- Operating System



✗ The FCFS algorithm is particularly troublesome for \_\_\_\_\_ \*

0/1

- operating systems
- multiprocessor systems
- time sharing systems
- multiprogramming systems

✗

Correct answer

- time sharing systems

✗ To successfully compile a source code file that contains public class test \*0/1  
which  
of the following must be true?

- It must import java.lang
- It must have a package statement
- It must declare a public class named test.
- It must be named test.java

✗

Correct answer

- It must be named test.java



✗ What is the output of the below Java program? \*

0/1

```
int a=1;
while(a<5)
{
    System.out.print(a + " ");
    a++;
}
```

- Compile time error
- 1 2 3 4
- 1 2 3 4 5
- 1 2 3

✗

Correct answer

- 1 2 3 4

✗ which is not necessary condition for deadlock

0/1

- mutual exclusion
- circular wait
- no preemption
- none of them

✗

Correct answer

- none of them



✗ Which command is used to display all the files including hidden files in your current and its subdirectories ? \*0/1

- ls -aR
- ls -a
- ls -R
- ls -l

✗

Correct answer

- ls -a

✗ If a process fails, most operating system write the error information to a \*0/1

- new file
- another running process
- log file
- none of the mentioned

✗

Correct answer

- log file



✗ If the CPU is Executing any operating system instructions, the machine is \*0/1 said to be in \_\_\_\_\_ mode

- I/O
- Suspended
- System
- User

✗

Correct answer

- System

✗ The CPU utilization is low when the system is \_\_\_\_\_. 0/1

- Timesharing
- Thrashing
- Multiprocessing
- None of the above.

✗

Correct answer

- Thrashing



✓ The command used to display long listing of file is

1/1

- ls -l
- ls -a
- ls -t
- ls -r



✗ What is the valid way to initialize an array is

.../1

- int arr [] = { "10", "12", "14" };
- int [] arr = (1,2,3 );
- int arr [] [] = {1,2,3,4};
- int arr [] = { 1, 2, 3, 4 };



No correct answers



✖ As a part of paging technique, a physical memory is broken into fixed size \*0/1 blocks called as.....

- Pages
- Frames
- Blocks
- Segments

✖

Correct answer

- Frames

✓

1/1

```
class Fun{  
    int x;  
  
    public static void main(String args[ ]){  
        int y =10;  
        Fun A = new Fun();  
        System.out.println(A.x+ " ,+y);  
    }  
}
```

- compile time error
- 0, 10
- 10
- None of the above

✓



✖ Which one of the following is not true? \*

0/1

- kernel remains in the memory during the entire computer session
- kernel is made of various modules which can not be loaded in running operating system
- kernel is the first part of the operating system to load into memory during booting ✖
- kernel is the program that constitutes the central core of the operating system

Correct answer

- kernel is made of various modules which can not be loaded in running operating system

✖ Which of the following variable needs to be initialized before using it ?

0/1

- Local
- Static
- Global ✖
- Instance

Correct answer

- Local



✓ SJF algorithm is done for \*

1/1

- Process having less CPU burst
- Process which request the CPU first
- Process with low priority
- Process having high I/O burst



✓ In \_\_\_\_\_ the memory chunks are of same size ,where as in \_\_\_\_\_ they can be of different sizes.

1/1

- Paging and Segmentation
- Segmentation and Paging
- Contiguos and Non-contiguos
- Non-contiguos and Contiguos



✗ Which of the following for loop declaration is not valid? \*

0/1

- for ( int i = 20; i >= 2; - -i )
- for ( int i = 2; i <= 20; i = 2\* i )
- for ( int i = 99; i >= 0; i / 9 )
- for ( int i = 7; i <= 77; i += 7 )



Correct answer

- for ( int i = 99; i >= 0; i / 9 )



✗ In Operating Systems, which of the following is/are CPU scheduling algorithms?

\*0/1

- Priority
- Round Robin
- Shortest Job First
- All of the mentioned

✗

Correct answer

- All of the mentioned

✗ In real time operating system \_\_\_\_\_

0/1

- process scheduling can be done only once
- all processes have the same priority
- kernel is not required
- a task must be serviced by its deadline period

✗

Correct answer

- a task must be serviced by its deadline period



**X Select appropriate option for Semaphores \***

0/1

- Deals with Inter process communication
- Priority based scheduling
- Heuristic Scheduling
- Threading based scheduling

**X**

Correct answer

- Deals with Inter process communication

**X**

0/1

The No.of processes running simultaneously and competing for CPU is known as the degree of \_\_\_\_\_

- Multithreading
- Multiprocessing
- Multiprogramming
- Multicasting

**X**

Correct answer

- Multiprogramming



✗ A deadlock avoidance algorithm dynamically examines the \_\_\_\_\_ to \*0/1 ensure that a circular wait condition can never exist.

- operating system
- resources ✗
- system storage state
- resource allocation state

Correct answer

- resource allocation state

✓ Virtual memory is \_\_\_\_\_. \*

1/1

- An extremely large main memory
- An extremely large secondary memory
- An illusion of extremely large main memory ✓
- A type of memory used in super computers.

✓ which of the following represent legal flow control statements?

1/1

- Continue(inner);
- break();
- break; ✓
- exit();



✖ Which of these is not a bitwise operator?

0/1

- &
- &= ✖
- |=
- <=

Correct answer

- <=

✓ What value is returned by fork() system call on a successful creation of child process to child process

1/1

- 0 ✓
- 1
- 1
- PID of the parent process



✗ What is output of following code

0/1

```
public class test {  
    static int x;  
    int y;  
    public static void main (String [] arg){  
        test o = new test();  
        System.out.print(x);  
    }  
  
}
```

- Complier error
- 0
- null
- None of the above

Correct answer

- 0

✗

✗ Which of the following is not TRUE?

0/1

- Processes may send each other signals
- Kernel may send signals internally
- A field is updated in the signal table when the signal is sent
- Each signal is maintained by a single bit

✗

Correct answer

- A field is updated in the signal table when the signal is sent



✗ Command used to determine the path of an executable file is \*

0/1

- which
- where
- wexec
- what

✗

Correct answer

- which

✗ Select appropriate option for Round Robin Policy

0/1

- Heuristic Scheduling
- Priority Based Scheduling
- Scheduling Algorithm specially for the time sharing system
- Threaded Based Policy

✗

Correct answer

- Scheduling Algorithm specially for the time sharing system



**X ps -e command displays**

0/1

- Process which are running
- Process which are finished X
- All process
- None of the above

Correct answer

- All process

**✓ Which command creates an empty file if file does not exist? \***

1/1

- cat
- touch ✓
- ed
- read



✗ Which commands will give you information about how much disk space each file in the current directory uses? 0/1

- ls -l
- ls -la ✗
- du
- ls -a

Correct answer

- du

✗ When a process is in a “Blocked” state waiting for some I/O service. \*0/1  
When the service is completed, it goes to the \_\_\_\_\_

- Terminated state ✗
- Suspended state
- Running state
- Ready state

Correct answer

- Ready state



✗ The section of code which accesses shared variables is called as

0/1

- Block V
- Mutex
- Critical section
- Semaphore

✗

Correct answer

- Critical section

✓ Round robin is\_\_\_\_\_?

1/1

- preemptive
- non-preemptive
- both of them
- none of them

✓

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# DATABASE -2

Total points 16/42 ?

Marks :40 , Time: 1 hr

**X** Name \*

.../1

a

**X** 12 - DIGIT PRN \*

.../1

123456789652

**X****X** An attribute or combination of attributes in one table whose values must either match the primary key in another table or be null is called \_\_\_\_\_. 0/1

- Secondary Key
- Super key **X**
- Candidate Key
- Foreign Key

Correct answer

- Foreign Key



✗ A transaction state changes from active to\_\_\_\_, after the transaction has 0/1 been rolled back and the database restored to its state prior to the start of the transaction.

- a. Partially committed
- b. Committed
- c. Aborted
- d. Failed

✗

Correct answer

- c. Aborted

✓ How is specialization denoted in an ER Diagram?

1/1

- a. Triangle labeled IS A
- b. Rectangle labeled IS A
- c. Rectangle Labeled HAS A
- d. Triangle labeled HAS A

✓



✗ What stores the metadata about the structure of the database, in particular 0/1 the schema of the database?

- a. Indices
- b. Database log
- c. Data files
- d. Data Dictionary

✗

Correct answer

- d. Data Dictionary

✗ What is a schedule for a set of transactions? 0/1

- a. It consists of all instructions of those transactions.
- b. It preserve the order in which the instructions appear in each individual transaction.
- c. Both a and b
- d. None of these

✗

Correct answer

- c. Both a and b



✓ Which is the correct SQL syntax from the following to create a PRIMARY KEY constraint on existing table " EMPLOYEE " on " EMPID " column and currently column does not contain any value? 1/1

- a. Alter table EMPLOYEE Add Constraint PK - EMPID Primary Key, EMPID;
- b. Update table EMPLOYEE Add Constraint PK - EMPID Primary Key (EMPID);
- c. Alter table EMPLOYEE Add Constraint PK - EMPID Primary Key (EMPID); ✓
- d. Alter table EMPLOYEE Add Constraint PK - EMPID Primary Key, (EMPID);

✓ What information is not provided by a data dictionary? 1/1

- a. How data is used
- b. Where data is located
- c. Size of storage disk ✓
- d. Who owns or is responsible for data

✗ How can a tuple be divided in a relational schema? 0/1

- a. Domains
- b. Queries
- c. Relations ✗
- d. Joins

Correct answer

- a. Domains



0/1

A relation is in this form if it is in BCNF and has no multivalued dependenciesA.

- second normal form.
- third normal form.
- fourth normal form.
- domain/key normal form.

Correct answer

- fourth normal form.

X Which of the following is a group of one or more attributes that uniquely identifies a row? 0/1

- A. Key
- B. Determinant
- C. Tuple
- D. Relation

Correct answer

- A. Key



**X**

0/1

In the relational model, relationships between relations or tables are created by using:

- A.composite keys.
- B. determinants.
- C. candidate keys.
- D. foreign keys.

**X**

Correct answer

- D. foreign keys.

**X** Which of the following is not a restriction for a table to be a relation?

0/1

- A. The cells of the table must contain a single value.
- B. All of the entries in any column must be of the same kind.
- C. The columns must be ordered.
- D. No two rows in a table may be identical.

**X**

Correct answer

- C. The columns must be ordered.



✗ A relation in this form is free of all modification anomalies.

0/1

- A. First normal form
- B. Second normal form
- C. Third normal form
- D. Domain/key normal form

✗

Correct answer

- D. Domain/key normal form

✗ A tuple is a(n):

0/1

- A. column of a table.
- B. two dimensional table.
- C. row of a table.
- D. key of a table.

✗

Correct answer

- C. row of a table.



✖ Which of the following indicates the maximum number of entities that can be involved in a relationship? 0/1

- A. Minimum cardinality
- B. Maximum cardinality
- C. ERD
- D. Greater Entity Count (GEC)

✖

Correct answer

- B. Maximum cardinality

✓ Which type of entity cannot exist in the database unless another type of entity also exists in the database, but does not require that the identifier of that other entity be included as part of its own identifier? 1/1

- A. Weak entity
- B. Strong entity
- C. ID-dependent entity
- D. ID-independent entity

✓



✗ Which of the following refers to something that can be identified in the users' work environment, something that the users want to track? 0/1

- A. Entity
- B. Attribute ✗
- C. Identifier
- D. Relationship

Correct answer

- A. Entity

✓ The DBMS acts as an interface between what two components of an enterprise-class database system? 1/1

- A. Database application and the database ✓
- B. Data and the database
- C. The user and the database application
- D. Database application and SQL



1/1

A DBMS that combines a DBMS and an application generator is \_\_\_\_\_.

- A. Microsoft's SQL Server
- B. Microsoft's Access
- C. IBM's DB2
- D. Oracle Corporation's Oracle

0/1

You have run an SQL statement that asked the DBMS to display data in a table named USER\_TABLES. The results include columns of data labeled "TableName," "NumberOfColumns" and "PrimaryKey." You are looking at

- A. user data.
- B. metadata
- C. A report
- D. indexes

Correct answer

- B. metadata



✗ which of the following is a correct SQL query

0/1

- A) Select \* from emp where eid=100 , ename='a'
- B) Select \* from emp where eid=100 ename='a'
- C) Select \* where eid=100 and ename='a' from emp
- D) Select \* from emp where eid=100 and ename='a'

✗

Correct answer

- D) Select \* from emp where eid=100 and ename='a'

✗ How many null values can a unique key column have in MySQL

0/1

- A) Multiple
- B) 0
- C) 1
- D) 2

✗

Correct answer

- A) Multiple



✗ which of the following set operators are supported by MySQL

0/1

- A) Union
- B) Intersect
- C) Minus
- D) Except

✗

Correct answer

- A) Union

✓ 4NF is designed to cope with:

1/1

- A) Transitive dependency
- B) Join dependency
- C) Multi valued dependency
- D) None of these

✓

✓ In a relational database a referential integrity constraint can be specified with the help of 1/1

- A) primary key
- B) foreign key
- C) secondary key
- D) none of the above

✓



✓ A Function that has no partial dependencies is in

1/1

- A) 3NF
- B) 2NF ✓
- C) 4NF
- D) BCNF

✓ If every non-key attribute is functionally dependent on the entire primary key, then the relation will be in:

1/1

- A) 3NF
- B) 2NF ✓
- C) 4NF
- D) BCNF

✓ Third normal form is based on the concept of

1/1

- A) Closure Dependency
- B) Transitive Dependency ✓
- C) Normal Dependency
- D) Functional Dependency



✓ What SQL clause is used to **restrict the rows** returned by a query?

1/1

- a) AND
- b) WHERE
- c) Group
- d) FROM



✗ The USE command?

0/1

- a) Is used to load code from another file
- b) Has been deprecated and should be avoided for security reasons
- c) Is a pseudonym for the SELECT command
- d) Should be used to choose the database you want to use once you've connected to MySQL



Correct answer

- d) Should be used to choose the database you want to use once you've connected to MySQL



✓ A subquery in an SQL SELECT statement is enclosed in:

1/1

- A. braces -- {...}.
- B. CAPITAL LETTERS.
- C. parenthesis -- (...) .
- D. brackets -- [...].



✗ Find the SQL statement below that is equal to the following: `SELECT NAME FROM CUSTOMER WHERE STATE = 'VA';`

- A. `SELECT NAME IN CUSTOMER WHERE STATE IN ('VA');`
- B. `SELECT NAME IN CUSTOMER WHERE STATE = 'VA';`
- C. `SELECT NAME IN CUSTOMER WHERE STATE = 'V';`
- D. `SELECT NAME FROM CUSTOMER WHERE STATE IN ('VA');`



Correct answer

- D. `SELECT NAME FROM CUSTOMER WHERE STATE IN ('VA');`

✓ The EXISTS keyword will be true if

1/1

- a) Any row in the subquery meets the condition only.
- b) All rows in the subquery fail the condition only.
- c) Both of these two conditions are met.
- d) Neither of these two conditions is met.



✗ Which of the following can be addressed by enforcing a referential integrity 0/1 constraint?

- a) All phone numbers must include the area code ✗
- b) Certain fields are required (such as the email address, or phone number) before the record is accepted
- c) Information on the customer must be known before anything can be sold to that customer
- d) When entering an order quantity, the user must input a number and not some text (i.e., 12 rather than 'a dozen')

Correct answer

- c) Information on the customer must be known before anything can be sold to that customer

✓ The relationship between DEPARTMENT and EMPLOYEE is a:

1/1

- a) One-to-one relationship
- b) Many-to-many relationship
- c) One-to-many relationship ✓
- d) Many-to-one relationship



✖ Which of the following query is correct for using comparison operators in SQL? 0/1

- A) SELECT sname, coursename FROM studentinfo WHERE age>50 and <80; ✖
- B) SELECT sname, coursename FROM studentinfo WHERE age>50 and age <80;
- C) SELECT sname, coursename FROM studentinfo WHERE age>50 and WHERE age<80;
- D) None of the above

Correct answer

- B) SELECT sname, coursename FROM studentinfo WHERE age>50 and age <80;

✖ How to Delete records from studentinfo table with name of student 'Hari Prasad'? 0/1

- A) DELETE FROM TABLE studentinfo WHERE sname='Hari Prasad'; ✖
- B) DELETE FROM studentinfo WHERE sname='Hari Prasad';
- C) DELETE FROM studentinfo WHERE COLUMN sname='Hari Prasad';
- D) DELETE FROM studentinfo WHERE sname LIKE 'Hari Prasad';

Correct answer

- B) DELETE FROM studentinfo WHERE sname='Hari Prasad';



✗ Which of the following isolation levels doesn't allow non-repeatable reads?

0/1

- A) Repeatable Reads
- B) Read Committed
- C) both
- D) none

✗

Correct answer

- C) both

✗ Which of the following isolation levels doesn't allow phantom reads?

0/1

- A) Repeatable Reads
- B) Read uncommitted
- C) Read Committed
- D) Serializable

✗

Correct answer

- D) Serializable



✓ How to select all data from studentinfo table starting the name from letter 1/1 'r'?

- A) SELECT \* FROM studentinfo WHERE sname LIKE 'r%';
- B) SELECT \* FROM studentinfo WHERE sname LIKE '%r%';
- C) SELECT \* FROM studentinfo WHERE sname LIKE '%r';
- D) SELECT \* FROM studentinfo WHERE sname LIKE '\_r%';



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# DATABASE-1

Total points 11/42 ?

Marks :40 , Time: 1 hr

**X** Name \*

.../1

SAD

**X****X** 12- DIGIT PRN \*

.../1

123456789365

**X****X** Which is not the relational algebra operator?

0/1

 Set difference Cartesian product Rename Join**X**

Correct answer

 Set difference

✖ Which of the following is generally used for performing tasks like creating 0/1 the structure of the relations, deleting relation?

- DML(Data Manipulation Language)
- Query
- Relational Schema
- DDL(Data Definition Language)

✖

Correct answer

- DDL(Data Definition Language)

✓ Which of the following provides the ability to query information from the 1/1 database and insert tuples into, delete tuples from, and modify tuples in the database?

- DML(Data Manipulation Language)
- DDL(Data Definition Language)
- Query
- Relational Schema

✓



✗ The given Query can also be replaced with\_\_\_\_\_:

0/1

```
SELECT name, course_id  
FROM instructor, teaches  
WHERE instructor_ID= teaches_ID;
```

- Select name, course\_id from teaches, instructor where instructor\_id = course\_id; ✗
- Select name, course\_id from instructor natural join teaches;
- Select name, course\_id from instructor;
- Select course\_id from instructor join teaches;

Correct answer

- Select name, course\_id from instructor natural join teaches;

✗ Which one of the following given statements possibly contains the error? 0/1

- select \* from emp where empid = 10003; ✗
- select empid from emp where empid = 10006;
- select empid from emp;
- select empid where empid = 1009 and Lastname = 'GELLER';

Correct answer

- select empid where empid = 1009 and Lastname = 'GELLER';



- ✗ In the below-given Query, which of the following can be placed in the Query's blank portion to select the "dept\_name" that also contains Computer Science as its ending string? 0/1

```
SELECT emp_name  
FROM department  
WHERE dept_name LIKE '___ Computer Science';
```

- &
- 
- %
- \$

Correct answer

- %

✗

- ✓ What do you mean by one to many relationships? 1/1

- One class may have many teachers
- One teacher can have many classes
- Many classes may have many teachers
- Many teachers may have many classes

✓



- ✓ In the following Query, which of the following can be placed in the Query's blank portion to display the salary from highest to lowest amount, and sorting the employ's name alphabetically?

```
SELECT *
FROM instructor
ORDER BY salary ___, name __;
```

- Ascending, Descending
- Asc, Desc
- Desc, Asc
- All of the above



- ✗ A Database Management System is a type of \_\_\_\_\_ software.

0/1

- It is a type of system software
- It is a kind of application software
- It is a kind of general software
- Both A and C



Correct answer

- It is a type of system software



✗ The term "NTFS" refers to which one of the following?

0/1

- New Technology File System
- New Tree File System
- New Table type File System
- Both A and C

✗

Correct answer

- New Technology File System

✗ A huge collection of the information or data accumulated from several different sources is known as \_\_\_\_\_:

0/1

- Data Management
- Data Mining
- Data Warehouse
- Both B and C

✗

Correct answer

- Data Warehouse



✗ Which of the following can be used to extract or filter the data & information from the data warehouse? 0/1

- Data redundancy
- Data recovery tool
- Data mining
- Both B and C

✗

Correct answer

- Data mining

✓ Which one of the following refers to the copies of the same data (or information) occupying the memory space at multiple places. 1/1

- Data Repository
- Data Inconsistency
- Data Mining
- Data Redundancy

✓

✓ Which one of the following refers to the "data about data"? 1/1

- Directory
- Sub Data
- Warehouse
- Meta Data

✓



✖ Which of the following refers to the level of data abstraction that describes 0/1 exactly how the data actually stored?

- Conceptual Level
- Physical Level
- File Level
- Logical Level

✖

Correct answer

- Physical Level

✖ In general, a file is basically a collection of all related \_\_\_\_\_. 0/1

- Rows & Columns
- Fields
- Database
- Records

✖

Correct answer

- Records



✗ The term "Data" refers to:

0/1

- The electronic representation of the information( or data)
- Basic information
- Row Facts and figures
- Both A and C

✗

Correct answer

- Row Facts and figures

✗ Which of the following refers to the number of tuples in a relation?

0/1

- Entity
- Column
- Cardinality
- None of the above

✗

Correct answer

- Cardinality



✖ Which one of the following is a type of Data Manipulation Command? 0/1

- Create
- Alter
- Delete
- All of the above

✖

Correct answer

- Delete

✖ Which of the following is a top-down approach in which the entity's higher level can be divided into two lower sub-entities? 0/1

- Aggregation
- Generalization
- Specialization
- All of the above

✖

Correct answer

- Specialization



✗ In which one of the following, the multiple lower entities are grouped (or combined) together to form a single higher-level entity? 0/1

- Specialization ✗
- Generalization
- Aggregation
- None of the above

Correct answer

- Generalization

✓ In a relation database, every tuples divided into the fields are known as the\_\_\_\_\_. 1/1

- Queries
- Domains ✓
- Relations
- All of the above



✗ Which of the following is used in the application programs to request data from the database management system? 0/1

- Data Manipulation language
- Data Definition Language
- Data Control Language
- All of the above

✗

Correct answer

- Data Manipulation language

✓ Which one of the following command is used to delete the existing row in a table? 1/1

- Delete
- Update
- Insert
- None of the above

✓



✓ Which of the following commands is used to save any transaction permanently into the database?

1/1

- Commit
- Rollback
- Savepoint
- None of the above



✗ Which one of the following commands is used to restore the database to the last committed state?

0/1

- Savepoint
- Rollback
- Commit
- Both A & B



Correct answer

- Rollback



✓ The database management system can be considered as the collection of 1/1 \_\_\_\_\_ that enables us to create and maintain the database.

- Translators
- Programs ✓
- Keys
- Language activity

✗ Which of the following refers collection of the information stored in a database at a specific time? 0/1

- Independence ✗
- Instance of the database
- Schema
- Data domain

Correct answer

- Instance of the database



✗ The term "Data independence" refers to\_\_\_\_\_

0/1

- Data is defined separately and not included in the programs
- Programs are not dependent on the logical attributes of the data
- Programs are not dependent on the physical attributes of the data
- Both B & C

✗

Correct answer

- Both B & C

✗ What is the relation calculus?

0/1

- It is a kind of procedural language
- It is a non-procedural language
- It is a high-level language
- It is Data Definition language

✗

Correct answer

- It is a non-procedural language



✖ Which one of the following refers to the total view of the database content? 0/1

- Conceptual view
- Physical view
- Internal view
- External view

✖

Correct answer

- Conceptual view

✓ The architecture of a database can be viewed as the \_\_\_\_\_ 1/1

- One level
- Two-level
- Three-level
- Four level

✓



✗ The Database Management Query language is generally designed for the 0/1

- Support end-users who use English like commands
- Specifying the structure of the database
- Support in the development of the complex applications software ✗
- All of the above

Correct answer

- All of the above

✗ Which of the following keys is generally used to represents the relationships between the tables? 0/1

- Primary key ✗
- Foreign key
- Secondary key
- None of the above

Correct answer

- Foreign key



✗ A computer security protocol for logging-in can be considered as the example of the \_\_\_\_\_ component of an information system. 0/1

- Data
- Software
- Procedure
- Hardware

Correct answer

- Procedure

✗

✗ Which one of the following is commonly used to define the overall design of the database? 0/1

- Application program
- Data definition language
- Schema
- Source code

Correct answer

- Schema

✗



✗ Which one of the following commands is used to modify a column inside a table? 0/1

- Drop
- Update
- Alter
- Set

✗

Correct answer

- Alter

✗ When a primary key is defined in the table, DBMS automatically creates a unique index on a primary key column 0/1

- Unique index
- Sequence
- Trigger
- Synonym

✗

Correct answer

- Unique index



✓ Which normal form is the partial dependency removed?

1/1

- First
- Second
- Third
- BCNF



✗ The problem caused by independent multivalued dependencies is eliminated in which of the normal form?

0/1

- 3NF
- BCNF
- 4NF
- 5NF



Correct answer

- 4NF

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# Dot Net CCEE Mock Test2

Total points 9/40 ?

0 of 0 points

PRN No.

5

Name:

Centre:

- Kharghar
- Juhu

MCQ Quiz

9 of 40 points



✗ The \_\_\_\_\_utility allows us to see the contents of an assembly including \*0/1 the metadata of an assembly and its compiled code.

- ILDASM
- CSC
- GACUTIL
- INSTALLUTIL

✗

Correct answer

- ILDASM

✗ A/An \_\_\_\_\_ is a logical isolation boundary created around .NET \*0/1 programs so that they do not access or affect each other and more than one can be run in a single process

- CLR
- CTS
- Remoting
- Application Domain

✗

Correct answer

- Application Domain



✗ The \_\_\_\_\_ is a standard that specifies how data types are represented in computer memory. It is intended to allow programs written in different programming languages to easily share information \*0/1

- CLS
- CTS
- MSIL
- Byte Code

✗

Correct answer

- CTS

✗ The correct syntax for a readonly automatic property is as follows \* 0/1

- public int P{get{}}
- public int P{get;}
- public readonlyint P{get{}}
- public readonlyint P{get;}

✗

Correct answer

- public int P{get;}



✓ The correct syntax for an object initializer is as follows \*

1/1

- Class1 o1 = new Class1{o1.a=100};
- Class1 o1 = new Class1{a=100};
- Class1 o1 = new Class1(a=100);
- Class1 o1 = new Class1(100);



✗ Instead of writing a destructor what is the interface that one must implement?

\*0/1

- IDisposable
- IDDelete
- IDisposable
- IDestructor



Correct answer

- IDisposable



✖ Which of the following statements is false?

0/1

- The static constructor does not have parameters
- The static constructor does not have an access specifier
- The static constructor is only called when the first object of the class is created
- The static constructor cannot be explicitly called

✖

Correct answer

- The static constructor is only called when the first object of the class is created

✓ Which of the following statements is true

1/1

- When creating an object of the derived class, the base class constructor is not executed, only the derived class constructor is called
- When creating an object of the derived class, the derived class constructor is not executed, only the base class constructor is called
- When creating an object of the derived class, the base class constructor is executed first followed by the derived class constructor
- When creating an object of the derived class, the derived class constructor is executed first followed by the base class constructor

✓



✖ Which of the following statements is true \*

0/1

- An abstract class must have an abstract method
- All abstract methods must compulsorily be implemented by the derived class ✎
- An abstract method must exist in an abstract class
- An abstract class cannot have non abstract methods

Correct answer

- An abstract method must exist in an abstract class

✖ Which of the following statements is false \*

0/1

- A sealed class cannot have a derived class
- A sealed class can be instantiated
- For a sealed method, the sealed keyword must compulsorily be given with the override keyword ✎
- A sealed class can have virtual methods

Correct answer

- A sealed class can have virtual methods



✓ Which of these is not a reference type \*

1/1

- int
- Action
- int [] arr = new int[5];
- String



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✖ What will be the output of the following code snippet? \*

0/1

```
public class Class1  
{  
    public int I { get; set; }  
    public int J { get; set; }  
}  
  
public class MainClass  
{  
    public static void Main()  
    {  
        Class1 o1 = new Class1 { I = 10, J = 20 };  
        DoSomething(ref o1);  
        Console.WriteLine($"{o1.I},{o1.J}");  
    }  
  
    public static void DoSomething(ref Class1 o1)  
    {  
        o1 = new Class1();  
        o1.I = 1000;  
    }  
}
```

- 10,20
- 1000,20
- 1000,0
- D



Compilation error.



Correct answer



1000,0

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✓ Give the output of the following code snippet \*

1/1

```
public class MainClass
{
    public static void Main()
    {
        object[] arr1 = { 1, 2, "3", 4, 5 };
        int[] arr2 = new int[5];
        try
        {
            Array.ConstrainedCopy(arr1, 0, arr2, 0, 5);
        }
        catch {}
        Console.WriteLine(arr2[0]);
        Array.Clear(arr2, 0, 5);
        try
        {
            Array.Copy(arr1, 0, arr2, 0, 5);
        }
        catch {}
        Console.WriteLine(arr2[0]);
    }
}
```



11



- 01
- 00
- 10

✖ Which of these statements is true for a struct? \*

0/1

- All structs are reference types
- A struct can contain only fields or properties (data)
- All members of a struct are public by default
- A struct can have a parameterized constructor

✖

Correct answer

- A struct can have a parameterized constructor

✖ What does `IDictionary<Tkey,TValue>` directly inherit from \*

0/1

- `ICollection<T>`
- `IEnumerable<T>`
- `Object`
- `IList<T>`

✖

Correct answer

- `ICollection<T>`



✖ What is the output of the following code snippet?

0/1

```
public static void Main()  
{  
    SortedList<int,string>sortedlist = new SortedList<int,string>();  
    sortedlist.Capacity = 3;  
    sortedlist.Add(1, "a");  
    sortedlist.Add(2, "b");  
    sortedlist.Add(3, "c");  
    sortedlist.Add(4, "c");  
    Console.WriteLine(sortedlist.Capacity);  
}
```

- 3
- 4
- 6
- Runtime exception

Correct answer

- 6

✖



✗ To call any method that has a non void return value, use the following inbuilt delegate \*0/1

- Action
- Func
- Predicate
- Delegate

✗

Correct answer

- Func

✗ \_\_\_\_\_ property of the Exception class gives the name of the function that caused the Exception to occur. \*0/1

- TargetSite
- Source
- InnerException
- StackTrace

✗

Correct answer

- TargetSite



✗ To get the return value of a function called asynchronously using a delegate, use the following syntax \* 0/1

- varretval = FunctionName(...);
- varretval = DelegateObject.FunctionName(...);
- varretval = DelegateObject.BeginInvoke (...);
- varretval = DelegateObject.EndInvoke (...);

✗

Correct answer

- varretval = DelegateObject.EndInvoke (...);

✗ \_\_\_\_\_ is a common set of rules that all .net languages must follow \* 0/1

- CLS
- MSIL
- IL
- App Domains

✗

Correct answer

- CLS



✓ Which of these is a valid PLINQ query? \*

1/1

- var x = y.AsParallel();
- var x = y.WithDegreeOfParallelism(2);
- var x = y.AsSequential();
- var x = y.AsPLinq();



✗ Give the correct syntax to declare an event \*

0/1

- public event EventName
- public delegate EventName
- public event delegate EventName
- public event DelegateNameEventName



Correct answer

- public event DelegateNameEventName

✓ Which of these provides for thread synchronization

1/1

- lock
- Monitor class
- Interlocked class
- All of the above



**X Which of these statements is false?**

0/1

- async keyword is used for methods that return a Task object
- await is used to wait for the asynchronous method to finish executing X
- any method that has an await call must be marked async
- async methods can return any data type

**Correct answer**

- async methods can return any data type

**X While calling a method with the ThreadPool, do the following**

0/1

- Create a ThreadPool object and call obj.Start(); X
- Call ThreadPool.ThreadStart(...)
- Call ThreadPool.ParameterizedThreadStart (...)
- Call ThreadPool.QueueUserWorkItem(...)

**Correct answer**

- Call ThreadPool.QueueUserWorkItem(...)



✓ To call a method that takes 2 string parameters and returns a string as a new Task, use the following syntax 1/1

- This cannot be done. ✓
- Create a Task object and pass a Func<string,string,string> to it. Call TaskObject.Run()
- Create a Task object and pass a Func<string> to it. Call TaskObject.Run()
- Create a Task object and pass a Action<string,string> to it. Call TaskObject.Run()

✗ Where do you specify a common layout for all Views in ASP.NET MVC? 0/1

- \_ViewStart.cshtml file
- \_Layout.cshtml file
- Web.config file
- Global.asax file ✗

Correct answer

- \_ViewStart.cshtml file



✓ The Session\_Start and the Application\_Start events are written in which file? \*1/1

- Web.config file
- Global.asax file ✓
- In the Controller
- In the \_ViewStart.cshtml file

✗ Which of these is available from the Controller to the View and also in redirects? \*0/1

- ViewData variable ✗
- TempData variable
- Session variable
- Cache variable

Correct answer

- TempData variable

✓ Which of these is false? \*

1/1

- ViewBag requires typecasting ✓
- ViewBag is a wrapper for ViewData
- ViewBag is slower than ViewData
- ViewBag allows us to add properties to it at runtime



✖ Which of these Data Annotations allow us to specify a primary key for the \*0/1 model

- [Key]
- [PrimaryKey] ✖
- [Index]
- [Unique]

Correct answer

- [Key]

✖ Which of these is not a valid ActionResult \* 0/1

- FileResult ✖
- RedirectResult
- LayoutResult
- ViewResult

Correct answer

- LayoutResult



✗ How do you ensure that a user need not be logged in to call a particular Action method? 0/1

- [NoAuthorize]
- [NoAuthenticate]
- [AllowAnonymous]
- [NoAction]

✗

Correct answer

- [AllowAnonymous]

✗ In the following Entity Framework the \_\_\_\_\_ class contains collections of entities in the system and is responsible for database updates. 0/1

- Model
- DataContext
- Entity
- Code First

✗

Correct answer

- DataContext



✖ Which of the following statements is False? \*

0/1

- A SqlDataReader is a connected set of records
- A SqlDataReader is a readonly set of records
- A SqlDataReader is a forward only set of records
- A SqlDataReader can contain only one set of records

✖

Correct answer

- A SqlDataReader can contain only one set of records

✖ To populate a DataTable with records from the DataBase, use the following 0/1

- DataAdapterObject.Fill(...)
- SqlCommandObject.Fill(...)
- DataSet.Fill(...)
- H. DataTable.Fill(...)

✖

Correct answer

- DataAdapterObject.Fill(...)



✖ Which of the following is false? \*

0/1

- A DataView is based on only a single DataTable
- A DataView can have fewer DataColumns than the DataTable
- Changes made in the DataTable reflect in the DataView
- A DataView can perform sorting and filtering of records from a DataTable

✖

Correct answer

- A DataView can have fewer DataColumns than the DataTable

✖ Which of these WCF bindings is used to create a Web Service?

0/1

- WsHttpBinding
- BasicHttpBinding
- WebHttpBinding
- RestHttpBinding

✖

Correct answer

- BasicHttpBinding



✗ For Web Api, which of these methods is used to perform an insert \*

0/1

- Get
- Put
- Post
- Delete

✗

Correct answer

- Post

✗ In EntityFramework Core DbFirst approach, what is the command to generate models from the database? \*0/1

- Add-Migration InitialCreate ...
- Update-Database ...
- Scaffold-DbContext ....
- Update-Models.....

✗

Correct answer

- Scaffold-DbContext ....

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# MS.NET CCEE Mock Test1

Total points 9/40 ?

0 of 0 points

Centre: \*

- Kharghar
- Juhu

PRN No. \*

1541

Name: \*

ASD

Quiz

9 of 40 points

✓ How do you ensure that a user must be logged in to call a particular Action method? \*1/1

- [Authorize]
- [Authenticate]
- [AllowAnonymous]
- [NoAction]



✗ Which of these is available from in subsequent requests for the current user only? \*0/1

- ViewData variable
- TempData variable
- Session variable
- Cookie

✗

Correct answer

- Session variable

✗ In the following Entity Framework technique, the class is written first and the database generated from the classes \*0/1

- ModelFirst
- CodeFirst
- DbFirst
- EntityFirst

✗

Correct answer

- CodeFirst



✓ Which command given at the command line is used to register an assembly as a shared assembly?

\*1/1

- SharedUtil
- GacUtil
- InstallUtil
- AssemblyUtil



✗ An interface can be explicitly implemented using the following syntax \*

0/1

- public class MyClass : IMyInterface { public void interfaceMethod(){} }
- public class MyClass : IMyInterface { public void InterfaceMethod : IMyInterface(){} }
- public class MyClass : IMyInterface { public void IMyInterface:InterfaceMethod(){} }
- public class MyClass : IMyInterface { void IMyInterface:InterfaceMethod(){} }



Correct answer

- public class MyClass : IMyInterface { void IMyInterface:InterfaceMethod(){} }



✓ Why should you not write cleanup code in a Destructor in .Net? \*

1/1

- There is no Destructor in .Net
- There is no Destructor in CSharp
- The statement is incorrect. You should write cleanup code in a Destructor
- .Net follows nondeterministic finalization



✗ All Controllers in ASP.NET MVC (.Net Framework) inherit from the following class \*0/1

- Controller
- ControllerBase
- Object
- AsyncController



Correct answer

- Controller



✖ Which of these will generate a compilation error \*

0/1

- var employees =  
emps.Select(emp=>emp.Name).Where(emp=>emp.Name.StartsWith("A"));
- var employees =  
emps.Where(emp=>emp.Name.StartsWith("A")).Select(emp=>emp.Name); ✖
- var employees = emps.Where(emp=>emp.Name.StartsWith("A"));
- var employees = emps.Select(emp=>emp.Name);

Correct answer

- var employees =  
emps.Select(emp=>emp.Name).Where(emp=>emp.Name.StartsWith("A")); ✖

✖ In ASP.NET MVC, bundling and minification can be turned on by doing the \*0/1 following in the compilation section in web.config

- Set bundling = True ✖
- Set minification = True
- Set debug = False
- Set debug = True

Correct answer

- Set debug = False



✖ What would be the output of the following code snippet? \*

0/1

```
public static void Main()
{
    try
    {
        int i = 100, j = 0;
        i /= j;
        Console.WriteLine(i);
    }
    catch (SystemException ex)
    {
        Console.WriteLine("SystemException");
    }
    catch (DivideByZeroException ex)
    {
        Console.WriteLine("DivideByZeroException");
    }
    catch (Exception ex)
    {
        Console.WriteLine("Exception");
    }
}
```

- SystemException
- DivideByZeroException

DivideByZeroException

- Exception X
- Code will not compile

Correct answer

- Code will not compile

X Which of these is available from the Controller to the View only and not in subsequent requests or redirects? \*0/1

- ViewData variable
- TempData variable
- Session variable
- Cache variable X

Correct answer

- ViewData variable

X Which of the following statements is False? \* 0/1

- A SqlDataReader requires an open connection
- A DataSet requires an open connection
- A SqlCommand requires an open connection X
- A SqlTransaction requires an open connection

Correct answer

- A DataSet requires an open connection



✗ For Web Api, which of these methods is used to perform an update \* 0/1

- Get
- Put
- Post
- Delete

✗

Correct answer

- Post

✗ The .Net equivalent of a float in CSharp is \_\_\_\_\_ \* 0/1

- System.Float
- System.Double
- System.Single
- System.Decimal

✗

Correct answer

- System.Single



✗ When is the static constructor called? \*

0/1

- When the Assembly is loaded in memory
- When the Main() function is run
- When any object of the class is created
- When the class is loaded into memory

✗

Correct answer

- When the class is loaded into memory

✗ In ASP.NET MVC CORE, what is the syntax to store a string in a session variable \*0/1

- Session["key"] = "Hello";
- HttpContext.Session.Set("key", "Hello");
- HttpContext.Session.SetInt32("key", "Hello");
- HttpContext.Session.SetString("key", "Hello");

✗

Correct answer

- HttpContext.Session.SetString("key", "Hello");



✗ To asynchronously call a method which takes a string parameter and does not have a return value using a delegate, the correct syntax would be : \*0/1

- MethodName("Hello");
- DelegateObjectName("Hello");
- DelegateClassName("Hello");
- DelegateObjectName.BeginInvoke(null,null,"Hello");

✗

Correct answer

- DelegateObjectName.BeginInvoke(null,null,"Hello");

✗ In Reflection, the following class is used to represent the details of a Class \*0/1

- Class
- Type
- ReferenceType
- Object

✗

Correct answer

- Type



✗ To use a thread already created and maintained by the CLR, we use the following class from System.Threading \*0/1

- Thread
- ThreadPool
- ThreadStart
- ParameterizedThreadStart

✗

Correct answer

- ThreadPool

✗ Which of the following is correct syntax for a property accessor? \* 0/1

- public int P1{ private get{...} private set{...} }
- protected int P1{ private get{...} set{...} }
- private int P1{ public get{...} set{...} }
- protected int P1{ public get{...} set{...} }

✗

Correct answer

- protected int P1{ private get{...} set{...} }



✖ Which of these LINQ methods provides immediate execution? \*

0/1

- var x = y.AsParallel()
- var x = y.ToList()
- var x = y.Select(...)
- var x = y.Where(...)

✖

Correct answer

- var x = y.ToList()

✖ Which of these WCF bindings is used to create a REST service? \*

0/1

- BasicHttpBinding
- WsHttpBinding
- WebHttpBinding
- RestHttpBinding

✖

Correct answer

- WebHttpBinding



✗ Which does the FileMode.CreateNew do while opening a file? \*

0/1

- Overwrites a file if file already present. Creates a new file if file not present
- Overwrites a file if file already present. Throws an exception if file not present ✗
- Throws an exception if file already present. Creates a new file if file not present
- Adds to a file if file already present. Creates a new file if file not present

Correct answer

- Throws an exception if file already present. Creates a new file if file not present

✗ To iterate through a SortedList<int,string> using a foreach loop, we use \*0/1  
the following class

- var
- SortedList<int,string> ✗
- DictionaryEntry
- KeyValuePair<int,string>

Correct answer

- KeyValuePair<int,string>



✖ Which of these Data Annotations allow us to specify pattern matching? \* 0/1

- RegularExpression
- CustomValidation
- DataType
- DisplayFormat

✖

Correct answer

- RegularExpression

✖ What does ICollection<T> directly inherit from \* 0/1

- Object
- IEnumerable<T>
- ICollection
- IList<T>

✖

Correct answer

- IEnumerable<T>



✓ To create a Task and start it immediately, we do the following \*

1/1

- Create a Task object and call the taskobject.Start() method
- Create a Task object and call the taskobject.Run() method
- Create a Task object and pass the methodname as a parameter
- Call Task.Run()



✓ The Garbage Collector runs in the following situation \*

1/1

- When you set a reference variable to null
- When the destructor is called
- When an object goes out of scope
- When the system has low physical memory



✗ To call a method that has a void return value, use the following inbuilt delegate

\*0/1

- Action
- Func
- Predicate
- Delegate



Correct answer

- Action



✗ Which of these statements is false for a struct? \* 0/1

- All structs are value types
- A struct can contain a constructor with no parameters
- A struct can contain a property
- A struct can contain a private member

✗

Correct answer

- A struct can contain a constructor with no parameters

✗ \_\_\_\_\_ is a common set of rules that all .net languages must follow \* 0/1

- CLS
- MSIL
- IL
- App Domains

✗

Correct answer

- CLS



✓ JIT compilation converts \_\_\_\_\_ to \_\_\_\_\_ at application run time \*

1/1

- Source code to IL Code
- Source code to Byte Code
- IL to Native code
- IL to Assembly code



✓ Which of the following statements is false \*

1/1

- An abstract class need not have an abstract method
- All abstract methods are late bound
- An abstract method must exist in an abstract class
- An abstract method can be implemented in the derived class by using the 'implements' keyword



✓ To create a SqlDataReader in a function and to return the SqlDataReader \*1/1 from the function, ideally the SqlDataReader should be opened in the following manner

- SqlDataReaderdr = cmd.OpenReader();
- SqlDataReaderdr = cmd.ExecuteReader();
- SqlDataReaderdr = cmd.ExecuteReader(CommandBehavior.CloseConnection);
- SqlDataReaderdr = cmd.Read();



✗ To run a command that returns a single value use the following \*

0/1

- Command.ExecuteReader()
- Command.ExecuteNonQuery()
- Command.ExecuteScalar()
- Command.Single()

✗

Correct answer

- Command.ExecuteScalar()

✗ Which of these is not a reference type \*

0/1

- Enum
- Delegate
- Array
- Interface

✗

Correct answer

- Enum



✖ Give the output of the following code snippet \*

0/1

```
int [ , ] arr = new int [5,3,4];  
  
Console.WriteLine(arr.Rank + ",");  
  
Console.WriteLine(arr.GetLength(1));
```

- 3,5
- 2,5 ✖
- 3,3
- 3,4

Correct answer

- 3,3

✓ All models in ASP.NET MVC inherit from the following class \*

1/1

- Object ✓
- Model
- Controller
- View



✖ What will be the output of the following code snippet? \*

0/1

```
public class Class1 {public int I{get;set;}}  
  
public class MainClass  
  
{  
  
    public static void Main()  
  
    {  
  
        Class1 o1= new Class1{I=10};  
  
        Class1 o2= new Class1{I=20};  
  
        Swap(o1,o2);  
  
        Console.WriteLine($"{o1.I},{o2.I}");  
  
    }  
  
    public static void Swap(Class1 o1,Class1 o2)  
  
    {  
  
        Class1 temp=o1;  
  
        o1 = o2;  
  
        o2 = temp;  
  
    }  
  
}
```

- Compilation Error
- Runtime Error
- 10,20
- 20,10



Correct answer

- 10,20

**X** Which of the following statements is false \*

0/1

- Any base class method can be overridden in the derived class
- The derived class method must have the same signature as the base class method to override it
- The derived class method must have the `override` keyword to override a base class method
- Late binding occurs when you call a method that has been `overridden`

**X**

Correct answer

- Any base class method can be overridden in the derived class

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# ADS CCEE Mock Test1

Total points 13/40



0 of 0 points

Name: \*

asc

Centre: \*

 Juhu Kharghar

PRN: \*

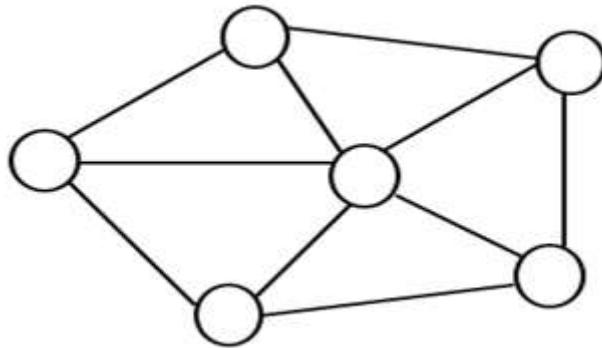
12345678963222

MCQ

13 of 40 points



- ✖ What would be the order in which edges are added to form a minimum spanning tree using Kruskal's and Prim's algorithms for the following graph: \*0/1



- Kruskal's - AB CD CF AE FE and Prim's - AB AE FE CF CD
- Kruskal's - AB CD CF FE AE and Prim's – AB AE FE CF CD
- Kruskal's - AB CD CF FE AE and Prim's - AB AE FE CD CF
- Kruskal's – CD AB CF FE AE and Prim's - AB AE FE CF CD

✖

Correct answer

- Kruskal's - AB CD CF FE AE and Prim's – AB AE FE CF CD



✖ The recurrence relation capturing the optimal time of the Tower of Hanoi problem with n discs is.— \*0/1

- T(n) = 2T(n-2)+2
- T(n) = 2T(n-1)+n
- T(n) = 2T(n/2)+1
- T(n) = 2T(n-1)+1

✖

Correct answer

- T(n) = 2T(n-1)+1

✓ In which of the following tree do the height of the left subtree and the height of the right subtree differ at most by one? \*1/1

- AVL Tree
- Expression Tree
- Threaded Binary Tree
- Binary Search Tree

✓



- ✖ A complete n-ary tree is a tree in which each node has n children or no children. Let I be the number of internal nodes and L be the number of leaves in a complete n-ary tree. If  $L = 41$ , and  $I = 10$ , what is the value of n? \*0/1

- 6
- 3
- 4
- 5

Correct answer

- 5

- ✓ Statement 1: When applying the Backtracking algorithm, all choices made can be undone when needed. \*1/1

Statement 2: When applying the Backtracking algorithm, the worst-case scenario is, that it exhaustively tries all paths, traversing the entire search space

- Both, Statements 1 and 2, are true
- Statement 1 is true, Statement 2 is false
- Statement 2 is true, Statement 1 is false
- Both, Statements 1 and 2, are false



✓ Which is the safest method to choose a pivot element? \*

1/1

- Choosing a random element as a pivot
- Choosing the first element as a pivot
- Choosing the last element as a pivot
- Median-of-three partitioning method



✗ Which of the following algorithm solves the all-pair shortest path algorithm?

\*0/1

- Prim's algorithm
- Dijkstra's algorithm
- Bellman-Ford algorithm
- Floyd-Warshall's algorithm



Correct answer

- Floyd-Warshall's algorithm



- ✖ Suppose prevnode, p, nextnode are three consecutive nodes in a Doubly Linked List. Deletion of node p in this Doubly Linked List can be represented by which code snippet? \*0/1

[getPrev() method returns the prev node and getNext() method returns the next node in DLL.]

[SetPrev() method sets the prev node value and setNext() method sets the next node value in DLL.]

- p.getPrev().setPrev(p.getNext()); p.getNext().setNext(p.getPrev()); ✖
- p.getPrev().setNext(p.getPrev()); p.getNext().setPrev(p.getNext());
- p.getNext().setPrev(p.getPrev()); p.getPrev().setNext(p.getNext());
- None of the above

Correct answer

- p.getNext().setPrev(p.getPrev()); p.getPrev().setNext(p.getNext());

- ✖ In the worst case, the number of comparisons needed to search a singly linked list of length n for a given element is \*0/1

- $O(\log_2 n)$
- $O(n/2)$  ✖
- $O(\log_2 n - 1)$
- $O(n)$

Correct answer

- $O(n)$



- ✖ Which one of the following is the tightest upper bound that represents the \*0/1 time complexity of inserting an object into a binary search tree of n nodes?

- O(1)
- O(logn) ✖
- O(n)
- O(nlogn)

Correct answer

- O(n)

- ✖ Let  $G = (V, E)$  be a weighted undirected graph and let  $T$  be a Minimum Spanning Tree (MST) of  $G$  maintained using adjacency lists. Suppose a new weighed edge  $(u, v) \in V \times V$  is added to  $G$ . The worst-case time complexity of determining if  $T$  is still an MST of the resultant graph is \*0/1

- $\Theta(|E| + |V|)$  ✖
- $\Theta(|E| \cdot |V|)$
- $\Theta(|E| \log |V|)$
- $\Theta(|V|)$

Correct answer

- $\Theta(|V|)$



✖ Consider the following array.

\*0/1

23,32,45,69,72,73,89,97

Which algorithm out of the following options uses the least number of comparisons (among the array elements) to sort the above array in ascending order?

- Selection sort
- Merge sort
- Insertion sort
- Quicksort using the last element as a pivot

Correct answer

- Insertion sort

✖

✖ Which of the following algorithm design techniques is used in finding all pairs of shortest distances in a graph ( Warshall algorithms)? \*0/1

- Dynamic programming
- Back Tracking
- Greedy
- Divide & Conquer

✖

Correct answer

- Dynamic programming



✓ The postfix equivalent of prefix expression  $* + a b - c d$  is \* 1/1

- a b + c d - \*
- a b c d + - \*
- a b + c d \* -
- a b + - c d \*



✓ Consider a binary max-heap implemented using an array. Which one of the following arrays represents a binary max-heap? \*1/1

- 25,12,16,13,10,8,14
- 25,14,16,13,10,8,12
- 25,16,12,13,10,8,14
- 25,14,12,13,10,8,16



✓ Depth First Search graph traversal method makes use of ..... data structure. \*1/1

- Tree
- Stack
- Queue
- Linked list



✓ We use a dynamic programming approach when \*

1/1

- We need an optimal solution
- The solution has an optimal substructure ✓
- The given problem can be reduced to the 3-SAT problem
- It's faster than Greedy

✓ Which of the following is True about the Spanning Tree? \*

1/1

- A spanning is a minimal set of edges in a graph that contains no cycle, connects all the vertices ✓
- A spanning is a maximal set of edges in a graph that connects all vertices.
- A Graph will have only one possible spanning tree
- None of the above

✗ A tree node with no children is called a..... node. \*

0/1

- Leaf node
- Root node ✗
- Parent node
- Ancestor node

Correct answer

- Leaf node



✖ The integrity of transmitted data can be verified by using ..... \*

0/1

- Hash Message Authentication Code (HMAC)
- Timestamp comparison
- Data length comparison
- None of these

✖

Correct answer

- Hash Message Authentication Code (HMAC)

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- ✖ Consider the following sequence of operations on an empty stack indicated by 'S'. \*0/1

Push(54);push(52);pop();push(55);push(62);s=pop();

Consider the following sequence of operations on an empty queue indicated by 'Q'

enqueue(21);

enqueue(24);

dequeue();

enqueue(28);

enqueue(32);

q=dequeue();

The value of ( S+Q ) is -----

62

24

86

68

Correct answer

86

✖

✗ What is the best method to go for the game-playing problem? \* 0/1

- Optimal Search
- Random Search
- Heuristic Search
- Stratified Search

✗

Correct answer

- Heuristic Search

✗ A hash function  $h$  defined  $h(\text{key}) = \text{key} \bmod 7$ , with linear probing, is used \*0/1 to insert the keys 44, 45, 79, 55, 91, 18, and 63 into a table indexed from 0 to 6. What will be the location of key 18?

- 3
- 4
- 5
- 6

✗

Correct answer

- 5



✗ In the worst case, the number of comparisons needed to search a singly linked list of length n for a given element is--- \*0/1

- log2 n
- n/2
- log2 (n-1)
- n

✗

Correct answer

- n

✓ The worst-case time complexity for the linear search algorithm is.... \* 1/1

- O(n)
- O(log n)
- O(n<sup>2</sup>)
- O(n log n)

✓



- ✗ The height of a binary tree is the maximum number of edges in any root-to-leaf path. The maximum number of nodes in a binary tree of height h is: \*0/1

- $2^h - 1$
- $2^{(h-1)} - 1$  ✗
- $2^{(h+1)} - 1$
- $2^{*(h+1)}$

Correct answer

- $2^{(h+1)} - 1$

- ✗ Let 'm' and 'n' be the number of edges and vertices in a graph G, \*0/1 respectively. Which of the following is the time complexity of Kruskal's algorithm to find the minimum spanning tree of G?

- $O(n \log n)$  ✗
- $O(m \log m)$
- $O(n^2)$
- $O(m^2)$

Correct answer

- $O(m \log m)$



✖ Which one of the following is an application of Stack Data Structure? \* 0/1

- Managing function calls ✖
- The stock span problem
- Arithmetic expression evaluation
- All of the above

Correct answer

- All of the above

✖ If you want to store the name and marks of N students, which of the following is the correct choice? \*0/1

- An array of structures that contains names and marks as a field.
- A structure containing arrays of Names and arrays of Marks
- An array of names and an Array of marks ✖
- All of the above

Correct answer

- An array of structures that contains names and marks as a field.



✖ Which of the following are not Associative Containers? \*

0/1

- priority queue
- map ✖
- multimap
- multiset

Correct answer

- priority queue

✖ Identify the correct sequence of the below actions for implementing decisions? \*0/1

- I. Create an action plan
- II. Prioritize actions and assign roles
- III. Break solution into action steps
- IV. Follow-up at milestones

- I, III, II, IV
- I, II, III, IV
- I, IV, II, III ✖
- IV, III, II, I

Correct answer

- I, III, II, IV



✓ The value returned by Hash Function is called as..... \*

1/1

- Digest
- Hash value
- Hash code
- All of these



✗ What are the time complexities of finding the 8th element from the beginning and the 8th element from the end in a singly linked list? Let n be the number of nodes in a linked list, you may assume that  $n > 8$ . \*0/1

- $O(1)$  and  $O(n)$
- $O(1)$  and  $O(1)$
- $O(n)$  and  $O(1)$
- $O(n)$  and  $O(n)$



Correct answer

- $O(1)$  and  $O(n)$



✗ Which of the following types of Linked List support forward and backward traversal?

\*0/1

- Singly Linked List
- Doubly Linked List
- Circular Singly Linked List
- All of these

✗

Correct answer

- Doubly Linked List

✗ A digraph is said to be COMPLETE, if it has N vertices and .....edges. \*

0/1

- $N \times N$
- $N - 1$
- $N \times (N - 1)$
- $N \times (N - 1) / 2$

✗

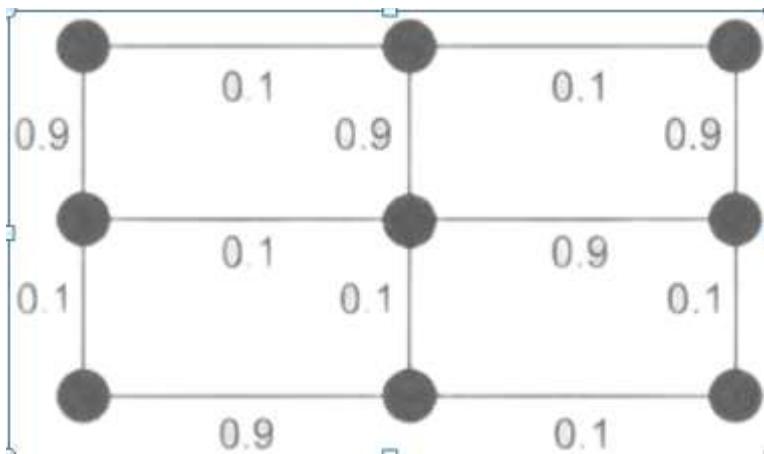
Correct answer

- $N \times (N - 1)$



✖ Consider the following undirected graph with edge weights as shown: \* 0/1

The number of minimum-weight spanning trees of the graph is ----



- 3
- 4
- 5
- 2

Correct answer

- 3

✖

✓ Let  $A[1...n]$  be an array of  $n$  distinct numbers. If  $i < j$  and  $A[i] > A[j]$ , then the \*1/1 pair  $(i, j)$  is called an inversion of  $A$ . What is the expected number of inversions in any permutation on  $n$  elements?

- $n(n-1)/2$
- $n(n-1)/4$
- $n(n+1)/4$
- $2n[\log n]$

✓



✓ What is a memory-efficient double-linked list? \*

1/1

- Each node has only one pointer to traverse the list back and forth ✓
- The list has breakpoints for faster traversal
- An auxiliary singly linked list acts as a helper list to traverse through the doubly linked list
- None of the mentioned

✓ The time required to search an element in a linked list of length n is \*

1/1

- $O(\log n)$
- $O(n)$  ✓
- $O(1)$
- $O(n^2)$



- ✗ Let H be a binary min-heap consisting of n elements implemented as an array. What is the worst-case time complexity of an optimal algorithm to find the maximum element in H? \*0/1

- $\Theta(1)$
- $\Theta(\log n)$
- $\Theta(n)$
- $\Theta(n \log n)$

✗

Correct answer

- $\Theta(n)$

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# OOPJ Mock CCEE-2

Total points 9/40 ?

Email \*

SXA@GMAIL.COM

0 of 0 points

Name: \*

SXSA

Student ID: \*

51

OOPJ MCQ's

9 of 40 points

All The Best!!!!



✗ Which of the following classes in the `java.util.concurrent.atomic` package \*0/1 inherit from `java.lang.Number`?

- AtomicFloat
- AtomicInteger
- AtomicDouble
- AtomicBoolean

✗

Correct answer

- AtomicInteger

✗ Given this code snippet:

\*0/1

```
LocalDate dateOfBirth = LocalDate.of(1988, Month.NOVEMBER, 4);
MonthDay monthDay = MonthDay.of(dateOfBirth.getMonth(),
dateOfBirth.getDayOfMonth());
boolean ifTodayBirthday =
monthDay.equals(MonthDay.from(LocalDate.now())); //COMPARE
System.out.println(ifTodayBirthday ? "Happy birthday!" : "Yet another
day!");
```

Assume that today's date is 4th November 2015. Choose the correct answer based on this code segment.

- This code will result in a compiler error in the line marked with the comment  
COMPARE
- When executed, this code will throw DateTimeException
- This code will print: Happy birthday!
- This code will print: Yet another day!

✗

Correct answer

- This code will print: Happy birthday!



Given this code segment:

\*0/1

```
BufferedReader br = new BufferedReader(new  
InputStreamReader(System.in));  
String integer = br.readLine();  
// CODE  
System.out.println(val);
```

Which one of the following statements when replaced by the comment CODE will successfully read an integer value from console?

- int val = integer.getInteger();
- int val = Integer.parseInt(integer);
- int val = String.parseInt(integer);
- int val = Number.parseInt(integer);

X

Correct answer

- int val = Integer.parseInt(integer);

Given this code segment:

\*0/1

```
IntFunction<> func = i -> j -> i * j; // LINE System.out.println(apply);
```

Which one of these statements when replaced by the comment marked with LINE will print 200?

- Integer apply = func.apply(10).apply(20);
- Integer apply = func.apply(10, 20);
- Integer apply = func(10 , 20);
- Integer apply = func(10, 20).apply();

X

Correct answer

- Integer apply = func.apply(10).apply(20);



✖ Choose the correct option for this code snippet: \*

```
public static void main(String []files) {  
    try (FileReader inputFile = new FileReader(new File(files[0]))) { // #1  
        inputFile.close(); // #2  
    }  
    catch (FileNotFoundException | IOException e) { // #3  
        e.printStackTrace();  
    } }
```

0/1

- The code snippet will compile without any errors ✖
- The compiler will report an error at statement marked with the comment #1
- The compiler will report an error at statement marked with the comment #2
- The compiler will report an error at statement marked with the comment #3

Correct answer

- The compiler will report an error at statement marked with the comment #3



✖ Consider the following program:

\*

0/1

```
class ClassA {}  
interface InterfaceB {}  
class ClassC {}  
class Test extends ClassA implements InterfaceB { String msg;  
    ClassC classC;  
}  
Which one of the following statements is true?
```

- Class Test is related with String with an IS-A relationship.
- Class ClassA is related with InterfaceB with an IS-A relationship.
- Class Test is related to ClassC with a composition relationship.
- Class Test is related with ClassA with a HAS-A relationship.

✖

Correct answer

- Class Test is related to ClassC with a composition relationship.

✓ Choose the correct option based on this code segment:

\*1/1

```
Path path = Paths.get("file.txt"); // READ_FILE
```

```
lines.forEach(System.out::println);
```

Assume that a file named "file.txt" exists in the directory in which this code segment is run and has the content "hello". Which one of these options can be replaced by the text READ\_FILE that will successfully read the "file.txt" and print "hello" on the console?

- List<String> lines = Files.lines(path);
- Stream<String> lines = Files.lines(path);
- Stream<String> lines = File.readLines(path);
- Stream<String> lines = Files.readAllLines(path);

✓



Given this code segment:

\*0/1

```
final CyclicBarrier barrier = new CyclicBarrier(3, () ->
    System.out.println("Let's play"));
    // LINE_ONE
Runnable r = () -> {
    // LINE_TWO
    System.out.println("Awaiting");
    try {
        barrier.await();
    } catch(Exception e) { /* ignore */ }
};
Thread t1 = new Thread(r);
Thread t2 = new Thread(r);
Thread t3 = new Thread(r);
t1.start();
t2.start();
t3.start();
```

Choose the correct option based on this code segment.

- This code segment results in a compiler error in line marked with the comment **LINE\_ONE** X
- This code segment results in a compiler error in line marked with the comment **LINE\_TWO**
- This code prints: Let's play
- This code prints: Awaiting Awaiting Awaiting Let's play

Correct answer

- This code prints: Awaiting Awaiting Awaiting Let's play



✓ What will be the output of the following program? \*1/1

```
class Base { public Base() {  
    System.out.println("Base");  
}  
}  
class Derived extends Base { public Derived() {  
    System.out.println("Derived");  
}  
}  
class DeriDerived extends Derived { public DeriDerived(){  
    System.out.println("DeriDerived");  
}  
}  
class Test { public static void main(String []args) { Derived b = new  
DeriDerived();  
}  
}
```

- Base Derived DeriDerived
- DeriDerived Derived
- Derived DeriDerived
- DeriDerived Derived Base
- DeriDerived



Given this code snippet:

\*0/1

```
public static Connection connectToDb() throws SQLException {  
    String url = "jdbc:mysql://localhost:3306/";  
    String database = "addressBook";  
    String userName = "root";  
    String password = "mysql123";  
    // CONNECT_TO_DB  
}
```

Which one of the following statements will you replace with the comment CONNECT\_TO\_DB to create a Connection object?

- return DatabaseManager.getConnection(url, database, userName,password); X
- return Connection.getConnection(url, database, userName,password);
- return DriverManager.getConnection(url + database, userName,password);
- return DatabaseDriver.getConnection(url + database, userName,password);

Correct answer

- return DriverManager.getConnection(url + database, userName,password);



Given this class definition:

\*0/1

```
class Point {  
    private int x = 0, y;  
    public Point(int x, int y) {  
        this.x = x;  
        this.y = y;  
    }  
    // DEFAULT_CTOR  
}
```

Which one of the following definitions of the Point constructor can be replaced without compiler errors in place of the comment  
DEFAULT\_CTOR?

- public Point() { this(0, 0); super();}
- public Point() { super(); this(0, 0); }
- private Point() { this(0, 0);}
- public Point() { this();}

✗

Correct answer

- private Point() { this(0, 0);}



Given this code segment:

\*

0/1

```
LocalDate joiningDate = LocalDate.of(2014, Month.SEPTEMBER, 20);
LocalDate now = LocalDate.of(2015, Month.OCTOBER, 20);
// GET_YEARS
System.out.println(years);
```

- Duration years = Period.between(joiningDate, now).getYears(); X
- Period years = Period.between(joiningDate, now).getYears(); X
- int years = Period.between(joiningDate, now).getYears();
- Instant years = Period.between(joiningDate, now).getYears();

Correct answer

- int years = Period.between(joiningDate, now).getYears();



✗ Choose the correct option based on this program:

\*0/1

```
import java.util.stream.Stream;
public class Reduce {
    public static void main(String []args) {
        Stream words = Stream.of("one", "two", "three");
        int len = words.mapToInt(String::length).reduce(0, (len1, len2) -> len1 +
        len2);
        System.out.println(len);
    }
}
```

- This program does not compile and results in compiler error(s)
- This program prints: onetwothree
- This program prints: 11
- This program throws an IllegalArgumentException

✗

Correct answer

- This program prints: 11

✓ Which of the following statements is true with respect to enums? \*

1/1

- An enum can extend a class
- An enum cannot implement an interface
- An enum can have public constructor
- An enum can have private constructor, enum can have public methods and fields

✓



✗ Given the code segment: \*0/1

```
List integers = Arrays.asList(15, 5, 10, 20, 25, 0);  
// GETMAX
```

Which of the code segments can be replaced for the comment marked with GETMAX to return the maximum value?

- Integer max = integers.stream().max((i, j) -> i - j).get();
- Integer max = integers.max();
- Integer max = integers.stream().mapToInt(i -> i).max();
- Integer max = integers.stream().max().get();

✗

Correct answer

- Integer max = integers.stream().max((i, j) -> i - j).get();

✓ Given this code segment: \* 1/1

```
Set set = new CopyOnWriteArraySet(); // #1  
set.add("2");  
set.add("1");  
Iterator iter = set.iterator();  
set.add("3"); set.add("-1");  
while(iter.hasNext()) {  
    System.out.print(iter.next() + " ");  
}
```

- This code segment prints the following: 2 1 ✓
- This code segment the following: 1 2
- This code segment prints the following: -1 1 2 3
- This code segment prints the following: 2 1 3 -1



✗ Choose the correct option based on this code segment: \*

0/1

```
List ints = Arrays.asList(1, 2, 3, 4, 5);
ints.replaceAll(i -> i * i); // LINE
System.out.println(ints);
```

This code segment results in a compiler error in the line marked with the comment LINE

✗

This code segment throws java.lang.UnsupportedOperationException

This code segment prints: [1, 2, 3, 4, 5]

This program prints: [1, 4, 9, 16, 25]

Correct answer

This program prints: [1, 4, 9, 16, 25]

✗ Two friends are waiting for some more friends to come so that they can go to a restaurant for dinner together. Which synchronization construct could be used here to programmatically simulate this situation? \*

0/1

java.util.concurrent.RecursiveAction

java.util.concurrent.CyclicBarrier

java.util.concurrent.locks.Lock

✗

java.util.concurrent.RecursiveTask

Correct answer

java.util.concurrent.CyclicBarrier



- ✖ Which one of the following interfaces declares a single abstract method \*0/1 named iterator()?  
(Note: Implementing this interface allows an object to be the target of the for-each statement.)

- ForEach<T>
- Iterator<T> ✖
- Enumeration<E>
- Iterable<T>

Correct answer

- Iterable<T>

- ✖ Choose the correct option based on this code segment: \* 0/1

```
Stream words = Stream.of("eeny", "meeny", "miny", "mo");
// LINE_ONE
String boxedString = words.collect(Collectors.joining(", ", "[", "]"));
// LINE_TWO
System.out.println(boxedString);
```

- This code results in a compiler error in line marked with the comment LINE\_ONE ✖
- This code results in a compiler error in line marked with the comment LINE\_TWO
- This program prints: [eeny, meeny, miny, mo]
- This program prints: [eeny], [meeny], [miny], [mo]

Correct answer

- This program prints: [eeny, meeny, miny, mo]



- ✓ For the following enumeration definition, which one of the following prints \*1/1 the value 2 in the console?

```
enum Pets { Cat, Dog, Parrot, Chameleon };
```

- System.out.print(Pets.Parrot.ordinal());
- System.out.print(Pets.Parrot);
- System.out.print(Pets.indexOf("Parrot"));
- System.out.print(Pets.Parrot.value());



- ✓ Choose the correct option based on this code segment: \*

1/1

```
Stream ints = Stream.of(1, 2, 3, 4);
boolean result = ints.parallel().map(Function.identity()).isParallel();
System.out.println(result);
```

- This code segment prints: false
- This code segment prints: true
- This code segment throws InvalidParallelizationException for the call parallel()
- This code segment results in compiler error(s)



Given this code segment:

\*0/1

```
DateTimeFormatter fromDateFormat  
=DateTimeFormatter.ofPattern("MM/dd/yyyy");  
// PARSE_DATE  
DateTimeFormatter toDateFormat  
=DateTimeFormatter.ofPattern("dd/MMM/YY");  
System.out.println(firstOct2015.format(toDateFormat));  
Which one of the following statements when replaced with the comment  
PARSE_DATE will result in the code to print "10/Jan/15"?
```

- Period firstOct2015 = Period.parse("01/10/2015", fromDateFormat); X
- DateTimeFormatter firstOct2015 = DateTimeFormatter.parse("01/10/2015", fromDateFormat);
- LocalDate firstOct2015 = LocalDate.parse("01/10/2015", fromDateFormat);
- LocalTime firstOct2015 = LocalTime.parse("01/10/2015", fromDateFormat);

Correct answer

- LocalDate firstOct2015 = LocalDate.parse("01/10/2015", fromDateFormat);



✖ Select all the statements that are true about streams (supported in `java.util.stream.Stream` interface)? \*0/1

- Once a stream is created as a sequential stream, its execution mode cannot be changed to parallel stream (and vice versa) ✖
- Computation on source data is performed in a stream only when the terminal operation is initiated, i.e., streams are “lazy”
- If the stream source is modified when the computation in the stream is being performed, then it may result in unpredictable or erroneous results
- Once a terminal operation is invoked on a stream, it is considered consumed and cannot be used again

Correct answer

- Computation on source data is performed in a stream only when the terminal operation is initiated, i.e., streams are “lazy”
- Once a terminal operation is invoked on a stream, it is considered consumed and cannot be used again
- If the stream source is modified when the computation in the stream is being performed, then it may result in unpredictable or erroneous results



- ✓ Consider the following code segment:

```
while( (ch = inputFile.read()) != VALUE) {outputFile.write( (char)ch );  
}
```

\*1/1

Assume that inputFile is of type FileReader, and outputFile is of type FileWriter, and ch is of type int. The method read() returns the character if successful, or VALUE if the end of the stream has been reached. What is the correct value of this VALUE checked in the while loop for end-of-stream?

- 1
- Integer.MAX\_VALUE
- 0
- 255

✓

- ✗ Which one of the following options is best suited for generating random numbers in a multi-threaded application? \*0/1

- Using java.lang.Math.random()
- Using java.util.concurrent.ThreadLocalRandom
- Using java.util.RandomAccess

✗

Correct answer

- Using java.util.concurrent.ThreadLocalRandom



- ✖ Consider the following program and choose the right option from the given list: \*0/1

```
class Base {  
    public void test() {  
        protected int a = 10; // #1  
    }  
}  
class Test extends Base { // #2  
    public static void main(String[] args) { System.out.printf(null); // #3  
    }  
}
```

- The compiler will report an error at statement marked with the comment #1
- The compiler will report an error at statement marked with the comment #2
- The compiler will report errors at statement marked with the comment #3
- The program will compile without any error

Correct answer

- The compiler will report an error at statement marked with the comment #1

✖



✓ Consider the following program:

\*1/1

```
class Outer {  
    class Inner {  
        public void print() {  
            System.out.println("Inner: print");  
        }  
    }  
}  
  
class Test {  
    public static void main(String []args) {  
        // Stmt#1  
        inner.print();  
    }  
}
```

Which one of the following statements will you replace with // Stmt#1 to make the program compile and run successfully to print "Inner: print" in console?

- Outer.Inner inner = new Outer().Inner();
- Outer.Inner inner = new Outer().new Inner();
- Inner inner = new Outer.Inner();
- Outer.Inner inner = new Outer.Inner();

✓



✖ Consider the following program:

\*0/1

```
public class Outer {  
    private int mem = 10;  
    class Inner {  
        private int imem = new Outer().mem; // ACCESS1  
    }  
    public static void main(String []s) { System.out.println(new Outer().new  
Inner().imem); //ACCESS2  
    }  
}
```

Which one of the following options is correct?

- When executed, this program prints 0
- When compiled, this program will result in a compiler error in line marked with comment ACCESS1
- When compiled, this program will result in a compiler error in line marked with comment ACCESS2 ✖
- When executed, this program prints 10

Correct answer

- When executed, this program prints 10



✖ Choose the correct option based on this program: \*0/1

```
class base1 {  
    protected int var;  
}  
  
interface base2 {  
    int var = 0; // #1  
}  
  
class Test extends base1 implements base2 { // #2 public static void  
main(String args[]) {  
    System.out.println("var:" + var); // #3  
}}
```

- The program will compile without any errors ✖
- The program will report a compilation error at statement marked with the comment #2
- ) The program will report a compilation error at statement marked with the comment #1
- The program will report a compilation error at statement marked with the comment #3

Correct answer

- The program will report a compilation error at statement marked with the comment #3



✗ In the context of Singleton pattern, which one of the following statements \*0/1 is true?

- A Singleton class must not have any static members
- All methods of the Singleton class must be private
- A Singleton class has a public constructor
- A Factory class may use Singleton pattern

✗

Correct answer

- A Factory class may use Singleton pattern

✗ Which of the following is NOT a problem associated with thread synchronization using mutexes? \*0/1

- Deadlock
- Lock starvation
- Type erasure
- Livelock

✗

Correct answer

- Type erasure



Given the class definition:

```
class Student{  
    public Student(int r) {  
        rollNo = r;  
    }  
    int rollNo;  
}
```

\*

0/1

Choose the correct option based on this code segment:

```
HashSet students = new HashSet<>();  
students.add(new Student(5));  
students.add(new Student(10));  
System.out.println(students.contains(new Student(10)));
```

- This program prints the following: true
- This program prints the following: false
- This program results in compiler error(s)
- This program throws NoSuchElementException

X

Correct answer

- This program prints the following: false



✓ Consider the following definitions:

\*1/1

interface BI {}

interface DI extends BI {}

The following options provide definitions of a template class X. Which one of the options specifies class X with a type parameter whose upper bound declares DI to be the super type from which all type arguments must be derived?

- class X <T super DI> {}
- class X <T implements DI> {}
- class X <T extends DI> {}
- class X <T extends ? & DI> {}

✓

✗ Which one of the following interfaces is empty (i.e., an interface that does not declare any methods)?

- ava.lang.AutoCloseable interface
- java.util.concurrent.Callable<T> interface
- java.lang.Cloneable interface
- java.lang.Comparator<T> interface

✗

Correct answer

- java.lang.Cloneable interface



✖ Which one of the following statements will compile without errors? \* 0/1

- Locale locale3 = new US.Locale();
- Locale locale2 = Locale.US;
- Locale locale4 = Locale("US");
- Locale locale1 = new Locale.US; ✖

Correct answer

- Locale locale2 = Locale.US;

✖ What will be the result of executing this code segment? \*0/1

```
Stream.of("ace ", "jack ", "queen ", "king ", "joker ") .mapToInt(card ->  
card.length()) .filter(len -> len > 3) .peek(System.out::print) .limit(2);
```

- This code segment prints: king joker ✖
- This code segment prints: jack queen
- This code segment does not print anything on the console
- This code segment prints: jack queen king joker

Correct answer

- This code segment does not print anything on the console



✖ Consider the following program:

```
class WildCard {  
    interface BI {}  
    interface DI extends BI {}  
    interface DDI extends DI {}  
    static class C {}  
    static void foo(C arg) {}  
    public static void main(String []args) {  
        foo(new C()); // ONE  
        foo(new C()); // TWO  
        foo(new C()); // THREE  
        foo(new C()); // FOUR  
    } }
```

\*

0/1

Which of the following options are correct?

- Line marked with comment ONE will result in a compiler error
- Line marked with comment TWO will result in a compiler error
- Line marked with comment THREE will result in a compiler error
- Line marked with comment FOUR will result in a compiler error

✖

Correct answer

- Line marked with comment THREE will result in a compiler error



✖ Consider the following snippet:

\*0/1

```
int ch = 0;  
try (FileReader inputFile = new FileReader(file)) {  
    // #1  
    System.out.print( (char)ch );  
}  
}
```

Which one of the following statements can be replaced with statement #1 so that the contents of the file are correctly printed on the console and the program terminates.

- while( (ch = inputFile.read()) != 0) {
- while( (ch = inputFile.read()) != EOF) {
- while( (ch = inputFile.read()) != null) {
- while( (ch = inputFile.read()) != -1) {

✖

Correct answer

- while( (ch = inputFile.read()) != -1) {



✖ Choose the correct option based on the following code segment: \*0/1

```
Comparator comparer = (country1, country2) -  
    country2.compareTo(country2);  
// COMPARE_TO  
String[] brics = {"Brazil", "Russia", "India", "China"};  
Arrays.sort(brics, null);  
Arrays.stream(brics).forEach(country -> System.out.print(country + " "));
```

- The program results in a compiler error in the line marked with the comment COMPARE\_TO ✖
- The program prints the following: Brazil Russia India China
- The program prints the following: Brazil China India Russia
- The program prints the following: Russia India China Brazil

Correct answer

- The program prints the following: Brazil China India Russia

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# OOPJ Mock CCEE-1

Total points 6/40 ?**Email \***

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0 of 0 points

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zjndjfhsudihf

OOPJ MCQ's

6 of 40 points

All The Best!!!!



Which of the following is a superclass of every class in Java? \*

0/1

- Lang Class
- System Class
- Util Class
- Object Class

Correct answer

- Object Class

Which of these method is used to remove all keys/values pair from the invoking map?

\*0/1

- clear()
- remove()
- removeAll()
- delete()

Correct answer

- remove()



A single try block must be followed by which of these? \*

0/1

- catch
- finally or catch
- finally
- none of the mentioned

Correct answer

- finally or catch

Which of these is not abstract? \*

0/1

- AbstractList
- List
- Thread
- None of the Mentioned

Correct answer

- Thread



What will be the output of the following Java code? \*

0/1

```
class increment
{
public static void main(String args[])
{
int g = 3;
System.out.print(++g * 8);
}
}
```

- 33
- 32
- 24
- 25

Correct answer

- 32



What will be the output of the following Java code? \*

0/1

```
class Output
{
    public static void main(String args[])
    {
        double x = 3.14;
        int y = (int) Math.ceil(x);
        System.out.print(y);
    }
}
```

- 3
- 0
- 4
- 3.0

Correct answer

- 4



What will be the output of the following Java code? \*

0/1

```
class multithreaded_programing
{
    public static void main(String args[])
    {
        Thread t = Thread.currentThread();
        System.out.println(t);
    }
}
```

- Thread[5,main]
- Thread[main,5]
- Thread[main,0]
- Thread[main,5,main]

Correct answer

- Thread[main,5,main]



What will be the output of the following Java program? \*

0/1

```
class output
{
    public static void main(String args[])
    {
        StringBuffer s1 = new StringBuffer("Quiz");
        StringBuffer s2 = s1.reverse();
        System.out.println(s2);
    }
}
```

- QuizziuQ
- ziuQQuiz
- Quiz
- ziuQ

Correct answer

- ziuQ



What will be the output of the following Java code? \*

0/1

```
class newthread extends Thread
{
    Thread t;
    newthread()
    {
        t = new Thread(this,"My Thread");
        t.start();
    }
    public void run()
    {
        try
        {
            t.join()
            System.out.println(t.getName());
        }
        catch(Exception e)
        {
            System.out.print("Exception");
        }
    }
}
class multithreaded_programming
{
    public static void main(String args[])
    {
        new newthread();
    }
}
```

- My Thread
- Thread[My Thread,5,main]
- Exception
- Runtime Error

Correct answer



Runtime Error

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What will be the output of the following Java code? \*

0/1

```
class A
{
    public int i;
    public int j;
    A()
    {
        i = 1;
        j = 2;
    }
}
class B extends A
{
    int a;
    B()
    {
        super();
    }
}
class super_use
{
    public static void main(String args[])
    {
        B obj = new B();
        System.out.println(obj.i + " " + obj.j)
    }
}
```

- 1 2
- 2 1
- Runtime Error
- Compilation Error

Correct answer

- 1 2



Which of these method Map class is used to obtain an element in the map \*0/1  
having specified key?

- set()
- get()
- look()
- search()

Correct answer

- get()



What will be the output of the following Java code? \*

1/1

```
class newthread extends Thread
{
    Thread t;
    newthread()
    {
        t = new Thread(this,"New Thread");
        t.start();
    }
    public void run()
    {
        System.out.println(t.isAlive());
    }
}
class multithreaded_programing
{
    public static void main(String args[])
    {
        new newthread();
    }
}
```

- 0
- 1
- true
- false



What will be the output of the following Java program? \*

0/1

```
class Output
{
    public static void main(String args[])
    {
        double x = 2.0;
        double y = 3.0;
        double z = Math.pow( x, y );
        System.out.print(z);
    }
}
```

9.0

8.0

4.0

2.0

Correct answer

8.0



What will be the output of the following Java code snippet? \*

0/1

```
import java.util.*;
class ArrayLists
{
    public static void main(String args[])
    {
        ArrayLists obj = new ArrayLists();
        obj.add("A");
        obj.add("B");
        obj.add("C");
        obj.add(1, "D");
        System.out.println(obj);
    }
}
```

- [A, D, C]
- b) [A, B, C]
- c) [A, B, C, D]
- d) [A, D, B, C]

Correct answer

- d) [A, D, B, C]



What will be the output of the following Java program? \*

0/1

```
class recursion
{
    int func (int n)
    {
        int result;
        if (n == 1)
            return 1;
        result = func (n - 1);
        return result;
    }
}
class Output
{
    public static void main(String args[])
    {
        recursion obj = new recursion();
        System.out.print(obj.func(5));
    }
}
```

- 1
- 120
- 0
- None of the mentioned

Correct answer

- 1



Which exception is thrown when java is out of memory? \*

1/1

- MemoryError
- OutOfMemoryError
- MemoryOutOfBoundsException
- MemoryFullException

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What will be the output of the following Java code? \*

0/1

```
class A
{
    public int i;
    private int j;
}

class B extends A
{
    void display()
    {
        super.j = super.i + 1;
        System.out.println(super.i + " " + super.j);
    }
}

class inheritance
{
    public static void main(String args[])
    {
        B obj = new B();
        obj.i=1;
        obj.j=2;
        obj.display();
    }
}
```

- 2 2
- 3 3
- Runtime Error
- Compilation Error

Correct answer

- Compilation Error



What will be the output of the following Java program? \*

0/1

```
import java.util.*;
class Collection_iterators
{
    public static void main(String args[])
    {
        LinkedList list = new LinkedList();
        list.add(new Integer(2));
        list.add(new Integer(8));
        list.add(new Integer(5));
        list.add(new Integer(1));
        Iterator i = list.iterator();
        Collections.reverse(list);
        Collections.sort(list);
        while(i.hasNext())
            System.out.print(i.next() + " ");
    }
}
```

- 1 2 5 8
- 2 1 8 5
- 1 5 8 2
- 2 8 5 1

Correct answer

- 1 2 5 8



What will be the output of the following Java program? \*

0/1

```
class Output
{
    public static void main(String args[])
    {
        int arr[] = {1, 2, 3, 4, 5};
        for ( int i = 0; i < arr.length - 2; ++i)
            System.out.println(arr[i] + " ");
    }
}
```

1 2 3 4 5

1 2 3 4

1 2

1 2 3

Correct answer

1 2 3



What will be the output of the following Java program? \*

0/1

```
import java.util.*;
class Output
{
    public static void main(String args[])
    {
        ArrayList obj = new ArrayList();
        obj.add("A");
        obj.add(0, "B");
        System.out.println(obj.size());
    }
}
```

- 0
- 1
- 2
- Any Garbage Value

Correct answer

- 2



What will be the output of the following Java code? \*

0/1

```
class box
{
    int width;
    int height;
    int length;
}

class main
{
    public static void main(String args[])
    {
        box obj = new box();
        obj.width = 10;
        obj.height = 2;
        obj.length = 10;
        int y = obj.width * obj.height * obj.length;
        System.out.print(y);
    }
}
```

200

100

12

400

Correct answer

200



What will be the output of the following Java program? \*

0/1

```
class leftshift_operator
{
    public static void main(String args[])
    {
        byte x = 64;
        int i;
        byte y;
        i = x << 2;
        y = (byte) (x << 2);
        System.out.print(i + " " + y);
    }
}
```

- 0 64
- 64 0
- 256 0
- 0 256

Correct answer

- 256 0



What will be the output of the following Java program? \*

0/1

```
final class A
{
    int i;
}

class B extends A
{
    int j;
    System.out.println(j + " " + i);
}

class inheritance
{
    public static void main(String args[])
    {
        B obj = new B();
        obj.display();
    }
}
```

- 2 2
  - Compilation Error
  - 3 3
  - Runtime Error
- Correct answer
- Compilation Error



What will be the output of the following Java code? \*

1/1

```
class output
{
    public static void main(String args[])
    {
        String c = "Hello i love java";
        boolean var;
        var = c.startsWith("hello");
        System.out.println(var);
    }
}
```

- 0
- true
- 1
- false

Which of these packages contains abstract keyword? \*

0/1

- java.lang
- java.util
- java.io
- java.system

Correct answer

- java.lang



What will be the output of the following Java code? \*

0/1

```
class exception_handling
{
    public static void main(String args[])
    {
        try
        {
            int a = args.length;
            int b = 10 / a;
            System.out.print(a);
        }
        catch (ArithmeticException e)
        {
            System.out.println("1");
        }
    }
}
```

- Compilation Error
- 0
- 1
- Runtime Error

Correct answer

- 1



```
class newthread implements Runnable *  
{  
    Thread t;  
    newthread()  
    {  
        t = new Thread(this,"My Thread");  
        t.start();  
    }  
}  
class multithreaded_programing  
{  
    public static void main(String args[])  
    {  
        new newthread();  
    }  
}
```

0/1

- Thread[My Thread,5,main]
- My Thread
- Runtime Error
- Compilation Error

Correct answer

- Compilation Error



If a class inheriting an abstract class does not define all of its function then it \*1/1 will be known as?

- Static class
- Abstract
- A simple class
- None of the mentioned

Which of these method is used to reduce the capacity of an ArrayList object? \* 0/1

- trimSize()
- trimTosize()
- trimToSize()
- trim()

Correct answer

- trimToSize()



What will be the output of the following Java code? \*

0/1

```
class newthread extends Thread
{
    newthread()
    {
        super("My Thread");
        start();
    }
    public void run()
    {
        System.out.println(this);
    }
}
class multithreaded_programing
{
    public static void main(String args[])
    {
        new newthread();
    }
}
```

- My Thread
- Compilation Error
- Thread[My Thread,5,main]
- Runtime Error

Correct answer

- Thread[My Thread,5,main]



Which of the following functional interface represents a function that accepts two arguments and produces a long-valued result? \*0/1

- ToLongBiFunction<T,U>
- ToIntFunction<T>
- UnaryOperator<T>
- ToLongFunction<T>

Correct answer

- ToLongBiFunction<T,U>

What will be the output of the following Java code? \*

0/1

```
class String_demo
{
    public static void main(String args[])
    {
        char chars[] = {'a', 'b', 'c'};
        String s = new String(chars);
        System.out.println(s);
    }
}
```

- abc
- a
- b
- c

Correct answer

- abc



What is serialization? \*

0/1

- Turning object in memory into stream of bytes
- Turning stream of bytes into an object in memory
- Turning object in memory into stream of bits
- Turning stream of bits into an object in memory

Correct answer

- Turning object in memory into stream of bytes

What will be the output of the following Java code snippet? \*

0/1

```
class abc
{
    public static void main(String args[])
    {
        if(args.length>0)
            System.out.println(args.length);
    }
}
```

- The snippet compiles and runs but does not print anything
- The snippet compiles, runs and prints 0
- The snippet compiles, runs and prints 1
- The snippet does not compile

Correct answer

- The snippet compiles and runs but does not print anything



What will be the output of the following Java code? \*

0/1

```
class newthread extends Thread
{
    Thread t;
    newthread()
    {
        t1 = new Thread(this,"Thread_1");
        t2 = new Thread(this,"Thread_2");
        t1.start();
        t2.start();
    }
    public void run()
    {
        t2.setPriority(Thread.MAX_PRIORITY);
        System.out.print(t1.equals(t2));
    }
}
class multithreaded_programing
{
    public static void main(String args[])
    {
        new newthread();
    }
}
```

- true
- false
- true
- false

Correct answer

- false



What will be the output of the following Java code? \*

0/1

```
class Output
{
    public static void main(String args[])
    {
        Integer i = new Integer(257);
        byte x = i.byteValue();
        System.out.print(x);
    }
}
```

- 257
- 256
- 1
- 0

Correct answer

- 1

Which of these methods can be used to obtain a static array from an ArrayList object? \*

0/1

- Array()
- convertArray()
- toArray()
- convertToArray()

Correct answer

- toArray()



What will be the output of the following Java program? \*

1/1

```
class overload
{
    int x;
    double y;
    void add(int a , int b)
    {
        x = a + b;
    }
    void add(double c , double d)
    {
        y = c + d;
    }
    overload()
    {
        this.x = 0;
        this.y = 0;
    }
}
class Overload_methods
{
    public static void main(String args[])
    {
        overload obj = new overload();
        int a = 2;
        double b = 3.2;
        obj.add(a, a);
        obj.add(b, b);
        System.out.println(obj.x + " " + obj.y);
    }
}
```

4 6.4

6.4 6

6.4 6.4



6 6

What type of members are not serialized? \*

1/1

- Private
- Protected
- Static
- Throwable

Which of these keywords are used for the block to be examined for exceptions?

\*0/1

- check
- throw
- catch
- try

Correct answer

- try

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# CPOS Mock Test2

Total points 9/30 ?

0 of 0 points

PRN:

DSF

Centre:

- Kharghar
- Juhu

Name :

SD

MCQ

9 of 30 points



From the time of submission of a process to the time of completion, The \*0/1 interval is termed as

- waiting time
- turnaround time
- response time
- throughput

X

Correct answer

- turnaround time

The command used to compare the files is known as \*

0/1

- comp
- du
- cmp
- ccp

X

Correct answer

- cmp



✗ if a process/thread is preempted : \*

0/1

- it is added to blocked state
- it is added to preempted state
- it is added to ready state
- it is added to stopped state

✗

Correct answer

- it is added to ready state

✓ What is true about do statement?

1/1

- do statement executes the code of a loop at least once
- do statement does not get execute if condition is not matched in the first iteration
- do statement checks the condition at the beginning of the loop
- do statement executes the code more than once always

✓



✗ To access the services of the operating system, the interface is provided \*0/1 by the \_\_\_\_\_

- Library
- System calls
- Assembly instructions
- API

✗

Correct answer

- System calls

✗ The process can be classified into many groups in \*

0/1

- shortest job scheduling algorithm
- multilevel queue scheduling algorithm
- round-robin scheduling algorithm
- priority scheduling algorithm

✗

Correct answer

- multilevel queue scheduling algorithm



✓ pwd command displays \*

1/1

- user password
- password file content
- present working directory
- none of the mentioned



✗ 'Aging' is: \*

0/1

- keeping track of cache contents
- keeping track of what pages are currently residing in memory
- keeping track of how many times a given page is referenced
- increasing the priority of jobs to ensure termination in a finite time



Correct answer

- increasing the priority of jobs to ensure termination in a finite time



✓ Each partition may contain \_\_\_\_\_ when memory is divided into several \*1/1 fixed sized partitions.

- multiple processes at once
- exactly one process ✓
- Two process
- at least one process
- both a and b

✗ Swapping \* 0/1

- Works best with many small partitions
- Allows many programs to use memory simultaneously ✗
- Allows each program in turn to use the memory
- Does not work with overlaying

Correct answer

- Allows each program in turn to use the memory



✓ Preemptive Shortest Job First scheduling is sometimes called: \*

1/1

- Fast SJF scheduling
- EDF scheduling – Earliest Deadline First
- HRRN scheduling – Highest Response Ratio Next
- SRTN scheduling – Shortest Remaining Time Next

✓

✗ In UNIX the status of the process may be? \*

.../1

- running
- orphan
- sleeping
- zombie
- All of the above

✗

No correct answers



✖ Which of the following statements are true? \*

0/1

- I. Shortest remaining time first scheduling may cause starvation
- II. Preemptive scheduling may cause starvation
- III. Round robin is better than FCFS in terms of response time

I only

I and III only

✖

II and III only

I, II and III

Correct answer

I, II and III

✖ A program that is bound by CPU might have \*

0/1

Cpu bursts many short

Cpu bursts a few short

✖

Cpu bursts a few longer

None of the above

Correct answer

Cpu bursts a few longer



✗ What is used while taking character input through scanner class in java ? \* 0/1

- next()
- nextInt()
- next().charAt()
- None of the above

✗

Correct answer

- next().charAt()

✗ As a part of paging technique, a physical memory is broken into fixed size \*0/1 blocks called as.....

- Pages
- Blocks
- Frames
- Segments

✗

Correct answer

- Frames



✗ Which of the following calls never returns an error? \*

0/1

- getpid
- fork
- ioctl
- open

✗

Correct answer

- getpid

✓ Which one of the following is not a real time operating system? \*

1/1

- RTLinux
- Palm OS
- QNX
- VxWorks

✓

✓ What is use of interpreter? \*

1/1

- They convert bytecode to machine language code
- They are intermediated between JIT and JVM
- They read high level code and execute them
- It is a synonym for JIT

✓



✓ class Test{  
    public static void main(String args[]){  
        int a;  
        a=10;  
        String ans = ((10/2) >4) ? "Correct" : "wrong" ;  
        System.out.println(ans);  
    }  
}

1/1

- 5
- wrong
- Correct
- error



✖ What is the output of following code ?

0/1

```
class variable_scope  
{  
    public static void main(String args[])  
    {  
        int x;  
        x = 5;  
        {  
            int y = 6;  
            System.out.print(x + " " + y);  
        }  
        System.out.print(x + " " + y);  
    }  
}
```

5 6 5 6

✖

5 6 6

Compile time error

Run time error

Correct answer

Compile time error



✗ Which command is used to display the operating system name \*

0/1

- os
- unix
- kernel
- uname

✗

Correct answer

- uname

✗ Under multiprogramming, turnaround time for short jobs is usually \_\_\_\_\_ and that for long jobs is slightly \_\_\_\_\_ \*0/1

\*0/1

- Lengthened; Shortened
- Shortened; Lengthened
- Shortened; Shortened
- Shortened; Unchanged

✗

Correct answer

- Shortened; Lengthened



✖ Which one of the following command is used for searching for a pattern \*0/1 in one or more file(s)?

- cd
- cp
- paste
- grep

✖

Correct answer

- grep

✖ Which command creates an empty file if file does not exist? 0/1

- cat
- touch
- ed
- read

✖

Correct answer

- touch



✓ **class Output {** \*1/1

```
public static void main(String args[])
{
    int x , y = 1;
    x = 10;
    if (x != 10 && x / 0 == 0)
        System.out.println(y);

    else
        System.out.println(++y);
}
```

- 1
- 2
- Runtime error
- None of the above
- Option 5



✗ Which of these statements is correct? \*

0/1

- true and false are numeric values 1 and 0
- true and false are numeric values 0 and 1
- true is any non zero value and false is 0
- true and false are non numeric values



Correct answer

- true and false are non numeric values



✖ Which one of the following is not true? \*

0/1

- kernel remains in the memory during the entire computer session
- kernel is made of various modules which can not be loaded in running operating system
- kernel is the first part of the operating system to load into memory during booting
- kernel is the program that constitutes the central core of the operating system ✎

Correct answer

- kernel is made of various modules which can not be loaded in running operating system

✓ Which Of the following resources must be protected by the operating system?

1/1

- I/O
- Memory
- CPU
- All of the above ✓



✗ Mutual exclusion can be provided by the \*

0/1

- Mutex locks
- Binary semaphores
- Both Mutex locks and binary semaphores
- none of the mentioned

✗

Correct answer

- Both Mutex locks and binary semaphores

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# WPT CCEE MOCK

Total points 10/40 ?

If you get 30+ in this genuinely, then your preparation is on track. All the best.

0 of 0 points

PRN \*

SX

Centre \*

Juhu

Name \*

S

Questions

10 of 40 points

Cheating karna h to karlo koi nahin dekh rha. :)



✗ What is the correct way to listen for incoming requests on a specified port for the HTTP server in Node.js? \*0/1

- server.listen(); ✗
- server.listen(3000, function() {});
- server.listen(function() {});
- server.listen(3000);

Correct answer

- server.listen(3000, function() {});

✗ What is the output of the following code? \*0/1

```
var person = {name:"John", age:30, city:"New York", hobbies:["reading", "traveling"]};  
var x;  
for (x in person) {  
    if (x === "hobbies") {  
        console.log(person[x]);  
        break;  
    }  
}
```

- reading traveling ✗
- None of the above
- [reading, traveling]
- New York

Correct answer

- [reading, traveling]



✓ What will be the output of the following code: \*

1/1

```
var arr = [10, 20, 30, 40];
var i = 1;
do {
  console.log(arr[i] / arr[i - 1]);
  i++;
} while (i < arr.length);
```

- 2 1.5
- Error
- 2
- 1.5 2



✗ What are the different ready states of a request in AJAX? \*

0/1

- 3
- No ready state.
- 1
- 5



Correct answer

- 5



✗ What is the main difference between a function component and a class component in React? \*0/1

- Function components are stateless while class components can have state.
- Function components can handle user-defined props while class components cannot. ✗
- Class components can handle lifecycle methods while function components cannot.
- Class components must always render a component while function components have the option to return null.

Correct answer

- Function components are stateless while class components can have state.

✗ Can multiple animation effects be combined in a single call to the animate() method in jQuery? \*0/1

- Yes, but only if the effects are of the same type
- Yes, multiple effects can be combined
- No, multiple effects require multiple calls to animate()
- No, only one effect can be specified per call to animate() ✗

Correct answer

- Yes, multiple effects can be combined



✓ What is the output of the following code:

\*

1/1

```
let x = 10;  
let obj = { x: 20, foo: function() { console.log(this.x); } };  
obj.foo.call({ x: 30 });
```

- 30
- 10
- 20
- undefined



✗ What will be the output of the following code: \*

0/1

```
var str1 = "Hello";  
var str2 = " World";  
var res = "";  
for (var i = 0; i < str1.length; i++) {  
    res += str1[i];  
}  
for (var i = 0; i < str2.length; i++) {  
    res += str2[i];  
}  
console.log(res);
```

- Hello World
- Error
- ellH dlroW
- World Hello



Correct answer

- Hello World



**X How do you access the value of an input in ReactJS? \***

0/1

- By using this.state.value
- By using this.event.value X
- By using event.target.value
- By using event.value

**Correct answer**

- By using event.target.value

**X How do you set the scrolling behavior of an <iframe> tag? \***

0/1

- <iframe src="url" flow="scroll"></iframe> X
- <iframe src="url" move="auto"></iframe>
- <iframe src="url" navigation="scroll"></iframe>
- <iframe src="url" style="overflow:scroll;"></iframe>

**Correct answer**

- <iframe src="url" style="overflow:scroll;"></iframe>



✗ How do you use the grid system in Bootstrap to create a layout with 2 equal-width columns? \*0/1

- By using the "row" and "col-6" classes
- By using the "container" and "col-md-6" classes
- By using the "container-fluid" and "col-lg-6" classes
- By using the "row-fluid" and "span6" classes

✗

Correct answer

- By using the "row" and "col-6" classes

✗ How can you prevent the default form submission behavior in ReactJS? \* 0/1

- By using preventDefault() on the submit button.
- By using stopPropagation() on the submit button.
- By using preventDefault() on the form element.
- By using stopPropagation() on the form element.

✗

Correct answer

- By using preventDefault() on the form element.



✖ What are the three principles of Redux? \*

0/1

- State management, styling, and server communication.
- Single source of truth, immutability, and pure functions.
- Event handling, styling, and server communication.
- Immutability, state management, and server communication. ✖

Correct answer

- Single source of truth, immutability, and pure functions.

✓ In a React component, which of the following is the recommended way to \*1/1 update state based on the previous state?

- `this.setState({...});`
- `this.setState(previousState => {...});` ✓
- `this.setState(this.state = {...});`
- `this.state = {...};`



**X What is hoisting in JavaScript? \***

0/1

- The process of moving declared variables and functions to a separate scope **X**
- The process of moving declared variables and functions to the top of their scope
- The process of moving declared variables and functions to the bottom of their scope
- The process of moving declared variables and functions to the middle of their scope

**Correct answer**

- The process of moving declared variables and functions to the top of their scope



✖ What is the output of the following code ?

\*0/1

File: employee.js

```
exports.name = 'John Doe';
exports.age = 30;
exports.designation = 'Manager';
exports.getDetails = function() {
  return Name: ${this.name}, Age: ${this.age}, Designation:
  ${this.designation};
};
```

Code:

```
var employee = require('./employee');
console.log(employee.getDetails.bind({name: 'Jane Doe', age: 28})
().designation);
```

- Manager
- Undefined
- Error
- Jane Doe

Correct answer

- Undefined

✖

✗ What HTTP status code indicates that the server is unable to fulfill the request because it is dependent on another resource that has failed? \*0/1

- 504 Gateway Timeout
- 503 Service Unavailable
- 510 Not Extended
- 502 Bad Gateway

✗

Correct answer

- 502 Bad Gateway

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✖ What will be logged to the console in the following code?

\*0/1

```
class MyParentComponent extends React.Component {  
  constructor(props) {  
    super(props);  
    this.state = { message: 'Hello World' };  
  }  
  
  handleClick() {  
    this.setState({ message: 'Goodbye World' });  
  }  
  
  render() {  
    return (  
      <MyChildComponent message={this.state.message} onClick={() =>  
        this.handleClick()} />  
    )  
  }  
}  
  
function MyChildComponent (props) {  
  console.log(props);  
  return (  
    <div>  
      <div>{props.message}</div>  
      <button onClick={props.onClick}>Change Message</button>  
    </div>  
  )  
}
```

- { message: 'Goodbye World', onClick: [Function] }
- { message: 'Hello World', onClick: [Function] }
- { message: 'Hello World' }
- { onClick: [Function] }

✖

Correct answer



{ message: 'Hello World', onClick: [Function] }

**X** What is the correct way to write to a file asynchronously in Node.js? \* 0/1

- fs.writeFileSync('file.txt', data)
- fs.writeFile('file.txt', data, sync = true) **X**
- fs.write('file.txt', data, async = true)
- fs.writeFileSync('file.txt', data)

Correct answer

- fs.writeFileSync('file.txt', data)

**X** In a Bootstrap grid, what is the difference between a container class and a row class? \*0/1

- The container class sets the layout direction of the grid while the row class sets the alignment of individual grid cells.
- The container class sets the overall height of the grid while the row class sets the height of individual grid cells. **X**
- The container class sets the overall number of columns in the grid while the row class sets the number of columns occupied by individual grid cells.
- The container class sets the overall width of the grid while the row class sets the width of individual grid cells.

Correct answer

- The container class sets the overall width of the grid while the row class sets the width of individual grid cells.



✓ What HTTP methods are considered to be safe methods? \*

1/1

- OPTIONS and TRACE
- GET and HEAD ✓
- DELETE and PATCH
- POST and PUT

✓ What is the correct syntax to specify multiple CSS classes to be applied to an HTML element? \*1/1

- <element class1="class1" class2="class2">
- <element class="class1 class2"> ✓
- <element class="class1 + class2">
- <element class="class1, class2">

✗ Which of the following is a higher-order function in JavaScript? \*

0/1

- A function that takes a function as an argument
- A function that returns a number
- A function that returns a string ✗
- A function that returns an array

Correct answer

- A function that takes a function as an argument



✓ What is the correct way to create an HTTP server in Node.js using the HTTP module? \*1/1

- http.createServer();
- var server = new http.Server();
- var server = http.createServer(function (request, response) {}); ✓
- var server = http.Server();

✗ What is the CSS code to set the background image of an element with id "header" to "header-bg.jpg", repeat it both vertically and horizontally, and set the background color to lightgray as a fallback? \*0/1

- #header {bg-image: url("header-bg.jpg") repeat-x repeat-y; bg-color: lightgray;}
- #header {background-image: url("header-bg.jpg") repeat both; color: lightgray;}
- #header {background-image: url("header-bg.jpg"); background-repeat: repeat-x  
repeat-y; fallback-color: lightgray;} ✗
- #header {background: url("header-bg.jpg") repeat; background-color: lightgray;}

Correct answer

- #header {background: url("header-bg.jpg") repeat; background-color: lightgray;}



✗ What is the default value of the "cellspacing" attribute in a HTML table? \* 0/1

- 0
- 1
- 2
- 3

✗

Correct answer

- 0

✗ What will be the output ? \*

0/1

```
<button id="myButton">Click Me</button>
```

```
<script>
$("#myButton").click(function(){
  $("#myButton").text("Hello World");
});
</script>
```

- "Click Me"
- Error
- None of the above
- "Hello World"

✗

Correct answer

- "Hello World"



✖ What is the output of the following code:

\*

0/1

```
let x = 10;  
let obj = { x: 20, foo: function() { console.log(this.x); } };  
let bar = obj.foo;  
let baz = { x: 30 };  
baz.bar = bar;  
baz.bar();
```

- 10
- undefined
- 20
- 30

Correct answer

- 30

✖



✖ What will be the output ? \*

0/1

```
<div id="example">Hello World</div>
```

```
<script>
$(document).ready(function(){
    $("#example").text(function(i, origText){
        return "Old text: " + origText + " New text: Hello jQuery";
    });
});
</script>
```

- Hello World
- None of the above
- Error
- Old text: Hello World New text: Hello jQuery

Correct answer

- Old text: Hello World New text: Hello jQuery

✖

✖ Which of the following is not a method in the XMLHttpRequest object? \* 0/1

- open()
- receive()
- setRequestHeader()
- send()

✖

Correct answer

- receive()



✗ How do you create a controlled component in ReactJS to handle form inputs? \*0/1

- By using the onInput event to update the state with the input value
- By using the onClick event to update the state with the input value
- By using the onChange event to update the state with the input value
- By using the onSubmit event to update the state with the input value

Correct answer

- By using the onChange event to update the state with the input value

✗ What is the difference between using arrow functions and bind() in ReactJS event handlers? \*0/1

- Arrow functions are less efficient than bind() in terms of performance.
- Arrow functions can access state directly, while bind() must be passed state as an argument.
- There is no difference between arrow functions and bind() in ReactJS event handlers.
- Arrow functions automatically bind the component instance, while bind() does not.

Correct answer

- Arrow functions automatically bind the component instance, while bind() does not.



✖ What is the output of the following code:

\*0/1

```
var person = {name:"John", age:30, city:"New York", hobbies:["reading", "traveling"]};  
var str = JSON.stringify(person, ["hobbies"]);  
console.log(str);
```

- {"name":"John"}
- None of the above
- {"name":" John","age":30,"city":"New York","hobbies":["reading","traveling"]} ✖
- {"hobbies":["reading","traveling"]}

Correct answer

- {"hobbies":["reading","traveling"]}

✖ What is the difference between .detach() and .remove() methods in jQuery?

\*0/1

- .detach() does not keep the data and events of the removed element, whereas .remove() does. ✖
- .detach() keeps the data and events of the removed element, whereas .remove() does not.
- Both methods are the same.
- .detach() is used to remove elements from the DOM, whereas .remove() is used to remove data from elements.

Correct answer

- .detach() keeps the data and events of the removed element, whereas .remove() does not.



✗ What is the main difference between the PUT and PATCH methods in HTTP? \*0/1

- PUT is used for creation, while PATCH is used for updates ✗
- PUT can only be used with a request body, while PATCH can be used with or without a request body
- PUT is idempotent, while PATCH is not
- PUT replaces the entire resource, while PATCH modifies only a portion of it

Correct answer

- PUT is idempotent, while PATCH is not

✓ How can you define a route in an ExpressJS application? \* 1/1

- Using the app.get() method. ✓
- Using the [router.post\(\)](#) method.
- Using the server.put() method.
- Using the req.delete() method.

✓ What is the correct way to pass arguments to a ReactJS event handler? \* 1/1

- onClick={this.handleClick(this, arg1, arg2)}
- onClick={this.handleClick.bind(this, arg1, arg2)} ✓
- onClick={this.handleClick(arg1, arg2)}
- onClick={() => this.handleClick(arg1, arg2)}



✖ Which of the following is true about Props, State, and Context in React \*0/1  
components?

- Props are used to pass data from parent to child component, State is used to ✖  
 pass data through the component tree without having to pass props down manually at every level, and Context is used to store component-specific data.
- Props are used to pass data through the component tree without having to pass   
 props down manually at every level, State is used to store component-specific data, and Context is used to pass data from parent to child component.
- Props are used to pass data from parent to child component, State is used to store   
 component-specific data, and Context is used to pass data through the component tree without having to pass props down manually at every level.
- Props are used to store component-specific data, State is used to pass data from   
 parent to child component, and Context is used to pass data through the component tree without having to pass props down manually at every level.

Correct answer

- Props are used to pass data from parent to child component, State is used to store   
 component-specific data, and Context is used to pass data through the component tree without having to pass props down manually at every level.

✓ What is the CSS code to set the width of an element with class "box" to \*1/1  
50% and height to 300 pixels, and center it vertically and horizontally?

- .box {width: 300px; height: 50%; margin: 0 auto;}
- .box {width: 300px; height: 50%; text-align: center;}
- .box {width: 50%; height: 300px; align: center; valign: center;}
- .box {width: 50%; height: 300px; margin: auto; position: absolute; top: 0; left: 0; right: 0; bottom: 0;} ✓



✓ What will be the output ? \*

1/1

```
<div class="container">
  <p>Hello World</p>
  <p>Goodbye World</p>
</div>
<script>
  console.log($(".div p").slice(1,2).text());
</script>
```

- Goodbye World
- Hello World
- World
- undefined



FEEDBACK

0 of 0 points

CCEE Phodke aaunga/aaungi \*

- Mark my words I will top the CCEE
- Pass hojaun wahi boht h, itni mehnat ek naukri ke liye kon krega.
- I will make everyone proud for sure.

How was the experience?

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# WPT CCEE Mock

Total points 7/40 ?

0 of 0 points

Name \*

zdcvsdv

Centre \*

Juhu

PRN \*

14

Questions

7 of 40 points



✖ How can you make an e-mail link? \*

0/1

- A) < a href="xxx@yyy">
- B) < mail href="xxx@yyy"> ✖
- C) < a href="mailto:[xxx@yyy](mailto:xxx@yyy)">
- D) < mail>xxx@yyy

Correct answer

- C) < a href="mailto:[xxx@yyy](mailto:xxx@yyy)">

✓ Which of the following is not a difference between HTML and XHTML? \* 1/1

- A) Charset in both html and xhtml is "text/html" ✓
- B) Tags and attributes are case-insensitive in HTML but not in XHTML
- C) Special characters must be escaped using character entities in XHTML unlike HTML
- D) Charset in html is "text/html" where as in xhtml it is "application/xml+xhtml"



✖ Which of the following is not a HTML5 tag? \*

0/1

- A) <track>
- B) <video>
- C) <slider>
- D) <source>

✖

Correct answer

- C) <slider>

✖ What will be the output of following CSS code snippet? \*

0/1

h1 {color: red; text-decoration: underline; font-style: italic;}

- A) color: red, text-decoration: underline works
- B) only font-style: italic works
- C) color: red, text-decoration: underline and font-style: italic all works
- D) text-decoration: underline and font-style: italic works

✖

Correct answer

- B) only font-style: italic works



✖ What will be the output of the following CSS code snippet? \*

0/1

```
span {  
    border: 1px solid red;  
    outline: green dotted thick;  
}
```

- A) All span elements will have a green thick border and a red outline ✖
- B) All span elements will have a red border and a green dotted outline
- C) All span elements will have a outer green dotted border and an inner red border
- D) All span elements will have an outer red border and inner green dotted border

Correct answer

- C) All span elements will have a outer green dotted border and an inner red border

✓ Which of the following CSS Property sets the stacking order of positioned \*1/1 elements?

- A) y-index
- B) z-index ✓
- C) x-index
- D) all of the mentioned



✖ What will be the output of the following JavaScript code? \*

0/1

```
<p id="demo"></p>
<script>
var js = 10;
js *= 5;
document.getElementById("demo").innerHTML = js;
</script>
```

- A) 10
- B) 50
- C) 5
- D) Error

Correct answer

- B) 50

✖

✖ What will be the output of the following JavaScript code? \*

0/1

```
// JavaScript Comparison Operators
function compare()
{
    int num=2;
    char b=2;
    if(a==B)
        return true;
    else
        return false;
}
```

- A) false
- B) true
- C) compilation error
- D) runtime error

Correct answer

- B) true

✖

✗ Will the following JavaScript code work? \*

0/1

```
var js = (function(x) {return x*x;}(10));
```

- A) Exception will be thrown
- B) Memory leak
- C) Error
- D) Yes, perfectly no doubt

✗

Correct answer

- D) Yes, perfectly no doubt

✗ Which of the following is not an error in JavaScript? \*

0/1

- A) Missing of Bracket
- B) Division by zero
- C) Syntax error
- D) Missing of semicolons

✗

Correct answer

- B) Division by zero



✖ What is the observation made in the following JavaScript code? \*

0/1

```
var count = [1,,3];
```

- A) The omitted value takes “undefined”
- B) This results in an error
- C) This results in an exception
- D) The omitted value takes an integer value

✖

Correct answer

- A) The omitted value takes “undefined”

✖ What will the following jQuery code do? \*

0/1

```
$(document).ready(function(){  
    $("pre").siblings();  
});
```

- A) It will return all parent elements of <pre> element
- B) It will return all children elements of <pre> element
- C) It will return all sibling elements of <pre> element
- D) It will return all nonrelative elements of <pre> element

✖

Correct answer

- C) It will return all sibling elements of <pre> element



**X What is the use of jQuery Selectors? \***

0/1

- A) jQuery selectors are used to select and manipulate HTML element(s).
- B) jQuery selectors are used to import the HTML elements from the other file. **X**
- C) jQuery selectors are used to select and manipulate JSON elements(s).
- D) jQuery selectors are used to select and manipulate ReactJS classes.

**Correct answer**

- A) jQuery selectors are used to select and manipulate HTML element(s).

**X Which is the correct jQuery selector to select all <div> elements with class name "new"?**

\*0/1

- A) \$(".new") **X**
- B) \$("div.new")
- C) \$(".div.new")
- D) \$(".div#new")

**Correct answer**

- B) \$("div.new")



✗ Which of the following is an equivalent replacement of `$(document).ready(f)`? \*0/1

- A) `jQuery(f)`
- B) `$(f)`
- C) `#{(f)}`
- D) `read(f)`

✗

Correct answer

- B) `$(f)`

✓ Which of the following jQuery method is used to merge the content of two or more objects into the first object? \*1/1

- A) `jQuery extend()` method
- B) `jQuery eq()` method
- C) `jQuery data()` method
- D) `jQuery param()` method

✓



✓ In the below statement, what is the type of "student"? \*

1/1

```
{"student":{"name":"Alvin", "age":21, "city":"Mumbai"}}
```

- A) String
- B) Array
- C) Object
- D) Class



✗ Which of the following code will throw an error? \*

0/1

- A) JSON.parse('{"name":"John", "age":30, "city":"New York"}');
- B) JSON.parse(null);
- C) JSON.parse(undefined);
- D) JSON.parse('[]');



Correct answer

- C) JSON.parse(undefined);



✖ Which number types are available in the JavaScript but not supported in the JSON? \*0/1

- A) Fractional and Rational
- B) Infinity and Rational
- C) Rational and Irrational
- D) Infinity and NaN

✖

Correct answer

- D) Infinity and NaN

✖ Which method returns the specific header information? \* 0/1

- A) getResponseHeader()
- B) getSpecificHeader()
- C) getHeaderOnly()
- D) getHeaderInfo()

✖

Correct answer

- A) getResponseHeader()



✗ How to convert the below statement to the synchronous request?

\*0/1

xhttp.open("GET", "info.php", true);

- A) Convert the third parameter to "false"
- B) Convert the third parameter to "sync"
- C) Convert the first parameter to "sync\_GET"
- D) All of the above

✗

Correct answer

- A) Convert the third parameter to "false"

✗ When do uncaught exceptions generate events?\*

0/1

- A) When handlers are registered
- B) When handlers are deregistered
- C) When handler functions are called
- D) When handlers do not have a matching catch clause

✗

Correct answer

- A) When handlers are registered



✗ What will be the return value of the write() method when the Node cannot \*0/1 write the data immediately and has to buffer it internally?

- A) 0
- B) 1
- C) True
- D) False

✗

Correct answer

- D) False

✓ Which method of fs module is used to write a file? \*

1/1

- A) fs.write(path, flags[, mode], callback)
- B) fs.writeFile(path, flags[, mode], callback)
- C) fs.writePath(path, flags[, mode], callback)
- D) None of the above

✓



✖ Which of the following API creates a server? \*

0/1

- A) net.createServer([options][, connectionListener])
- B) net.connect(options[, connectionListener])
- C) net.createConnection(port[, host][, connectListener])
- D) None of the above.

✖

Correct answer

- A) net.createServer([options][, connectionListener])

✖ What is the default scope in the Node.js application ? \*

0/1

- A) Global
- B) Local
- C) Global Function
- D) Local to object

✖

Correct answer

- B) Local



✗ XML is ? \*

0/1

- A) Platform Independent
- B) Language Independent ✗
- C) Both A & B
- D) None

Correct answer

- C) Both A & B

✗ Comment in XML document is given by \*

0/1

- A) <?-- -->
- B) <!-- --!>
- C) <!-- -->
- D) </-- -- > ✗

Correct answer

- C) <!-- -->



✗ Which of the following method can be used with any of the HTTP verbs: \*0/1  
get, set, put, or delete?

- A) app.get(route, callback)
- B) res.send() ✗
- C) app.listen(port, [host], [backlog], [callback])
- D) app.method(path, handler)

Correct answer

- D) app.method(path, handler)

✓ Which of the following do you need to install to acquire cookie abilities in \*1/1 Express.js?

- A) cookie-parser ✓
- B) Cookie—
- C) Parser\_cookie
- D) Use\_cookies



✖ Debug is \_\_\_ by default in express.js? \*

0/1

- A) On
- B) Off
- C) Debug feature is not available.
- D) Itna kon padhta h

✖

Correct answer

- B) Off

✖ In React what is used to pass data to a component from outside? \*

0/1

- A) setState
- B) render with arguments
- C) props
- D) PropTypes

✖

Correct answer

- C) props



✖ How can you access the state of a component from inside of a member function? \*0/1

- A) this.getState()
- B) this.values
- C) this.prototype.stateValue
- D) this.state

✖

Correct answer

- B) this.values

✖ How many elements does a react component return? \* 0/1

- A) 2 Elements
- B) 1 Element
- C) Multiple Elements
- D) Depends on it's KARMA.

✖

Correct answer

- B) 1 Element



**X What is the use of "webpack" command in React.js? \***

0/1

- A) The "webpack" command is used to transpile all the JavaScript down into one file. X
- B) It runs React local development server.
- C) It is a module bundler.
- D) None of the above.

**Correct answer**

- C) It is a module bundler.

**X What will happen if you render an input element with disabled = {false}? \***

0/1

- A) It will be rendered as disabled
- B) It will not be rendered at all X
- C) It will be rendered as enabled
- D) You cannot set it false.

**Correct answer**

- C) It will be rendered as enabled



✗ We can update the state in React.js by calling to setState() method. \*0/1  
These calls are:

- A) Synchronous in nature. ✗
- B) Asynchronous in nature.
- C) Are asynchronous but can be made synchronous when required.
- D) None of the above.

Correct answer

- B) Asynchronous in nature.

✓ In which of the following condition, the React.js Lifecycle method static \*1/1  
getDerivedStateFromProps(props, state) is called?

- A) The component is created for the first time.
- B) The state of the component is updated.
- C) Both of the above. ✓
- D) None of the above.



✖ Which of the following statement is correct about the Bootstrap wells? \*0/1

- A) By default, the size of wells is medium.
- B) Using .well-sm and .well-lg classes, we can change the size of wells.
- C) The .well-sm class is for small wells, and the .well-lg class is for large wells. And both classes should be used in conjunction with .well class.

- 1. Only A
- 2. Both A & C
- 3. Both B & C
- 4. All A, B and, C

✖

Correct answer

- 4. All A, B and, C

✖ Which of the following is bootstrap's global default font-size? \* 0/1

Select one:

- A) 10px
- B) 14px
- C) 12px
- D) 13px

✖

Correct answer

- B) 14px

FEEDBACK

0 of 0 points



I promise , I will study like never before and will Top the CCEE \*

Bolo Haan

How was your experience?

sadaF

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