

Result & Analysis

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Attempt 1

IP Address: 2409:4072:6d1a:baad:89d5:192d:2c65:2ef7

Tab switches: 0

OS used: Windows

Browser used: Chrome

Test Duration: 00:04:21

Test Start Time: Oct 16, 2022 | 08:57 PM

Test Submit Time: Oct 16, 2022 | 09:01 PM

Overall score



Rank: NA

Topper score: 15.00 / 15

Average score: 12.53 / 15

Least score: 0.00 / 15

MCQ



Rank: NA

Topper score: 15.00 / 15

Average score: 14.20 / 15

Least score: 8.00 / 15

Overall Question Status



Total Questions: 15

Questions Attempted: 15

Questions Correct: 15

Question Wrong: 0

Partially Correct: 0

Question Not Viewed: 0

Questions Skipped : 0

MCQ - Question Status



Total Questions: 15

Questions Attempted: 15

Questions Correct: 15

Question Wrong: 0

Partially Correct: 0

Question Not Viewed: 0

Questions Skipped : 0



Question No: 1

Multi Choice Type Question

[Report Error](#)

You are creating a Motorcycle class which is supposed to be a subclass of the Vehicle class. Which of the following class declaration statements will accomplish this?

☐ public class Motorcycle extends Vehicle

CORRECT

☐ public class Motorcycle implements Vehicle☐ public class Motorcycle interfaces Vehicle☐ public class Motorcycle inherits Vehicle

Status: Correct

Mark obtained: 1/1

Hints used: 0

Level: Medium

Question type: MCQ Single Correct Subject: Programming

Subject: Java Programming

Subject: Inheritance

Question No: 2

Multi Choice Type Question

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What is the output of this program?

```
1 class Mammal
2 {
3     void eat(Mammal m)
4     {
```

```
5         System.out.println("Mammal eats food");
6     }
7 }
8 class Cattle extends Mammal
9 {
10     void eat(Cattle c)
11     {
12         System.out.println("Cattle eats hay");
13     }
14 }
15 class Horse extends Cattle
16 {
```

☐ prints "Mammal eats food"

☐ prints "Cattle eats hay"

CORRECT

☐ prints "Horse eats hay"

☐ Class cast Exception at runtime

Status: Correct

Mark obtained: 1/1

Hints used: 0

Level: Easy

Question type: MCQ Single Correct Subject: Programming

Subject: Java Programming

Subject: Inheritance

Question No: 3

Multi Choice Type Question

Report Error

Which of the following is true regarding subclasses?

- ☐ A subclass that inherits methods from its superclass may not override the methods.
- ☐ A subclass that inherits instance variables from its superclass may not declare additional instance variables.
- ☐ A subclass may inherit methods or instance variables from its superclass but not both.
- ☐ A subclass may inherit methods and instance variables from its superclass, and may also implement its own methods and declare its own instance variables.

CORRECT

Status: Correct**Mark obtained:** 1/1**Hints used:** 0**Level:** Easy**Question type:** MCQ Single Correct **Subject:** Programming**Subject:** Java Programming**Subject:** Inheritance**Question No:** 4**Multi Choice Type Question****Report Error**

Which of these keywords is used to refer to member of base class from a subclass?

- ☐ upper
- ☐ super
- ☐ this

CORRECT

☐ none of the mentioned

Status: Correct

Mark obtained: 1/1

Hints used: 0

Level: Medium

Question type: MCQ Single Correct Subject: Programming

Subject: Java Programming

Subject: Classes and Objects

Question No: 5

Multi Choice Type Question

Report Error

Consider the hierarchy of classes shown below.



Which represent valid class headers that would be found in this hierarchy?

☐ `public class ScriptedShow extends TelevisionShow {`

`..`

`public class Comedy extends ScriptedShow { ..`

CORRECT

- ☐ public class TelevisionShow extends ScriptedShow { . . .
public class ScriptedShow extends Comedy { . . .
- ☐ public class Drama extends TelevisionShow { . . .
public class Comedy extends Drama { . . .
- ☐ public class ScriptedShow extends RealityShow { . . .
public class RealityShow extends ScriptedShow { . . .

Status: Correct**Mark obtained:** 1/1**Hints used:** 0**Level:** Easy**Question type:** MCQ Single Correct **Subject:** Programming**Subject:** Java Programming**Subject:** Inheritance**Question No:** 6**Multi Choice Type Question****Report Error**

Which among the following best defines multilevel inheritance?

- ☐ A class derived from another derived class
- ☐ Classes being derived from other derived classes **CORRECT**
- ☐ Continuing single level inheritance
- ☐ Class which have more than one parent

Status: Correct**Mark obtained:** 1/1**Hints used:** 0**Level:** Easy

Question type: MCQ Single Correct **Subject:** Programming**Subject:** Java Programming**Subject:** Classes and Objects**Question No: 7****Multi Choice Type Question****Report Error**

If a subclass contains a method with the same name as a method in its superclass, but with different parameter types, the subclass method is said to ____ the method of the superclass.

☐ implement☐ inherit☐ override☐ overload

CORRECT

Status: Correct**Mark obtained:** 1/1**Hints used:** 0**Level:** Easy**Question type:** MCQ Single Correct **Subject:** Programming**Subject:** Java Programming**Subject:** Inheritance**Question No: 8****Multi Choice Type Question****Report Error**

If a subclass uses the same method name but different parameter types for a method that appears in its superclass, ____.



- ☒ the subclass method has overloaded its superclass's CORRECT method.
- ☐ the subclass method has overridden its superclass's method.
- ☐ the subclass has implemented its superclass's method.
- ☐ a compiler error will occur.

Status: Correct**Mark obtained:** 1/1**Hints used:** 0**Level:** Easy**Question type:** MCQ Single Correct **Subject:** Programming**Subject:** Java Programming**Subject:** Inheritance**Question No:** 9**Multi Choice Type Question****Report Error**

Consider the following code snippet and answer the question that follows.

Which of the following statements is correct?

```
1 public class Vehicle
2 {
3     . . .
4     public void setVehicleAttributes()
5     {
6         . . .
7     }
8 }
9 public class Auto extends Vehicle
10 {
11     . . .
12     public void setVehicleAttributes()
13     {
```



```
13     }  
14     . . .  
15     }  
16 }
```

- ☐ The subclass is shadowing a superclass method.
- ☐ The subclass is overloading a superclass method.
- ☒ The subclass is overriding a superclass method. CORRECT
- ☐ This code will not compile.

Status: Correct**Mark obtained:** 1/1**Hints used:** 0**Level:** Easy**Question type:** MCQ Single Correct **Subject:** Programming**Subject:** Java Programming**Subject:** Inheritance**Question No:** 10**Multi Choice Type Question****Report Error**

Which of the following does not belong: If a class inherits from some other class, it should

- ☐ Make use of the parent class's capabilities
- ☐ Over-ride or add the minimum to accomplish the derived class' purpose
- ☐

Over-ride all the methods of its parent class

CORRECT

☐ Make sure the result "IS-A-KIND-OF" its base class

Status: Correct

Mark obtained: 1/1

Hints used: 0

Level: Medium

Question type: MCQ Single Correct **Subject:** Programming

Subject: Java Programming

Subject: Classes and Objects

Question No: 11

Multi Choice Type Question

Report Error

What would be the behaviour if this() and super() used in a method?

☐ Runtime error

☐ Throws exception

☐ compile time error

CORRECT

☐ Runs successfully

Status: Correct

Mark obtained: 1/1

Hints used: 0

Level: Easy

Question type: MCQ Single Correct **Subject:** Programming

Subject: Java Programming

Subject: Functions

Question No: 12

Multi Choice Type Question

[Report Error](#)

Which of the following statement(s) is/are true ?

- a. The scope of a local variable is wider than the scope of an instance variable.
- b. The instance variable are only visible to the methods in which they are declared.
- c. The variable "x" could be an instance variable in the declaration "final int x = 10".

☐ Only a.

☐ Only c.

CORRECT

☐ Only a and b.

☐ Only a and c.

☐ None

Status: Correct

Mark obtained: 1/1

Hints used: 0

Level: Easy

Question type: MCQ Single Correct Subject: Programming

Subject: Java Programming

Subject: Methods

Question No: 13

Multi Choice Type Question

[Report Error](#)

Which of the following is not a reason to use encapsulation when designing a class?

☐ Promote usability by other developers.

- ☐ Maintain class data integrity of data elements.
- ☐ Prevent users from modifying the internal attributes of a class.
- ☐ Increase concurrency and improve performance. CORRECT

Status: Correct**Mark obtained:** 1/1**Hints used:** 0**Level:** Medium**Question type:** MCQ Single Correct **Subject:** Programming**Subject:** Java Programming**Subject:** Encapsulation**Question No:** 14**Multi Choice Type Question****Report Error**

What is true about private constructor?

- ☐ Private constructor ensures only one instance of a class exist at any point of time CORRECT
- ☐ Private constructor ensures multiple instances of a class exist at any point of time
- ☐ Private constructor eases the instantiation of a class
- ☐ Private constructor allows creating objects in other classes

Status: Correct**Mark obtained:** 1/1**Hints used:** 0**Level:** Easy

Question type: MCQ Single Correct **Subject:** Programming**Subject:** Java Programming**Subject:** Functions**Question No: 15****Multi Choice Type Question****Report Error**

What is true about protected constructor?

- ☐ Protected constructor can be called directly
- ☐ Protected constructor can only be called using super() **CORRECT**
- ☐ Protected constructor can be used outside package
- ☐ protected constructor can be instantiated even if child is in a different package

Status: Correct**Mark obtained:** 1/1**Hints used:** 0**Level:** Medium**Question type:** MCQ Single Correct **Subject:** Programming**Subject:** Java Programming**Subject:** Encapsulation