DURGA ONLINE EXAMS

Test Your Knowledge

HOME

---

101) **Given:**
 5. public class Tahiti {
 6. Tahiti t;
 7. public static void main(String[] args) {
 8. Tahiti t = new Tahiti();
 9. Tahiti t2 = t.go(t);
 10. t2 = null;
 11. // more code here
 12. }
 13. Tahiti go(Tahiti t) {
 14. Tahiti t1 = new Tahiti(); Tahiti t2 = new Tahiti();
 15. t1.t = t2; t2.t = t1; t.t = t2;
 16. return t1;
 17. }
 18. }
 When line 11 is reached, how many objects are eligible for garbage collection?

 1) **0**

 2) **1**

 3) **2**

 4) **3**

 5) **Compilation fails.**

> **Your Selected options ::   none** ✖
>
> **Correct Options   ::   1**

Click Here for Explanation

---

102) **Given:**
 11. rbo = new ReallyBigObject();
 12. // more code here
 13. rbo = null;
 14. /* insert code here */
 Which statement should be placed at line 14 to suggest that the virtual machine expend effort toward
 recycling the memory used by the object rbo?

 1) **System.gc();**

 2) **Runtime.gc();**

 3) **System.freeMemory();**

 4) **Runtime.getRuntime().growHeap();**

 5) **Runtime.getRuntime().freeMemory();**

> **Your Selected options ::   none** ✖
>
> **Correct Options   ::   1**

Click Here for Explanation

---

103) **Given:**
 11. class ClassA {}
 12. class ClassB extends ClassA {}
 13. class ClassC extends ClassA {}
 and:
 21. ClassA p0 = new ClassA();
 22. ClassB p1 = new ClassB();
 23. ClassC p2 = new ClassC();
 24. ClassA p3 = new ClassB();
 25. ClassA p4 = new ClassC();
 Which three are valid? (Choose three.)

 1) **p0 = p1;**

 2) **p1 = p2;**

 3) **p2 = p4;**

4) **p2 = (ClassC)p1;**

5) **p1 = (ClassB)p3;**

6) **p2 = (ClassC)p4;**

Your Selected options ::   none   ✖

Correct Options   ::   1, 5, 6

> Click Here for Explanation

---

104) **Given:**
10. interface Foo {}
11. class Alpha implements Foo {}
12. class Beta extends Alpha {}
13. class Delta extends Beta {
14. public static void main(String[] args) {
15. Beta x = new Beta();
16. // insert code here
17. }
18. }
Which code, inserted at line 16, will cause a java.lang.ClassCastException?

1) **Alpha a = x;**

2) **Foo f = (Delta)x;**

3) **Foo f = (Alpha)x;**

4) **Beta b = (Beta)(Alpha)x;**

Your Selected options ::   none   ✖

Correct Options   ::   2

> Click Here for Explanation

---

105) **Given:**
11. abstract class Vehicle { public int speed() { return 0; }
12. class Car extends Vehicle { public int speed() { return 60; }
13. class RaceCar extends Car { public int speed() { return 150; }
 ...
21. RaceCar racer = new RaceCar();
22. Car car = new RaceCar();
23. Vehicle vehicle = new RaceCar();
24. System.out.println(racer.speed() + ", " + car.speed()
25. + ", " + vehicle.speed());
What is the result?

1) **0, 0, 0**

2) **150, 60, 0**

3) **Compilation fails.**

4) **150, 150, 150**

5) **An exception is thrown at runtime.**

Your Selected options ::   none   ✖

Correct Options   ::   4

> Click Here for Explanation

---

106) **Click the Exhibit button.**
What is the outcome of the code?

```
 1.  public class Item {
 2.    private String desc;
 3.    public String getDescription() { return
desc; }
 4.    public void setDescription(String d) {
desc = d; }
 5.
 6.    public static void modifyDesc(Item
item, String desc) {
 7.      item = new Item();
 8.      item.setDescription(desc);
 9.    }
10.    public static void main(String[] args)
{
11.      Item it = new Item();
12.      it.setDescription("Gobstopper");
13.      Item it2 = new Item();
14.      it2.setDescription("Fizzylifting");
15.      modifyDesc(it,
"Scrumdiddlyumptious");
16.
System.out.println(it.getDescription());
17.
System.out.println(it2.getDescription());
18.    }
19.  }
```

1) **Compilation fails.**

2) **Gobstopper**
   Fizzylifting

3) **Gobstopper**
   Scrumdiddlyumptious

4) **Scrumdiddlyumptious**
   Fizzylifting

5) **Scrumdiddlyumptious**

Your Selected options :: none ✖

Correct Options   :: 2

Click Here for Explanation

---

107) **Given:**
      1. class Pizza {
      2. java.util.ArrayList toppings;
      3. public final void addTopping(String topping) {
      4. toppings.add(topping);
      5. }
      6. }
      7. public class PepperoniPizza extends Pizza {
      8. public void addTopping(String topping) {
      9. System.out.println("Cannot add Toppings");
      10. }
      11. public static void main(String[] args) {
      12. Pizza pizza = new PepperoniPizza();
      13. pizza.addTopping("Mushrooms");
      14. }
      15. }
      What is the result?

      1) **Compilation fails.**

      2) **Cannot add Toppings**

      3) **The code runs with no output.**

      4) **A NullPointerException is thrown in Line 4.**

      Your Selected options :: none ✖

      Correct Options   :: 1

      Click Here for Explanation

---

108) **Which Man class properly represents the relationship "Man has a best friend who is a Dog"?**

      1) **class Man extends Dog { }**

      2) **class Man implements Dog { }**

      3) **class Man { private BestFriend dog; }**

      4) **class Man { private Dog bestFriend; }**

      5) **class Man { private Dog<bestFriend>; }**

      6) **class Man { private BestFriend<dog>; }**

      Your Selected options :: none ✖

Correct Options   ::   4

```
Click Here for Explanation
```

---

109)   **Given:**
        10: public class Hello {
        11: String title;
        12: int value;
        13: public Hello() {
        14: title += " World";
        15: }
        16: public Hello(int value) {
        17: this.value = value;
        18: title = "Hello";
        19: Hello();
        20: }
        21: }
      and:
        30: Hello c = new Hello(5);
        31: System.out.println(c.title);
      What is the result?

        1) **Hello**

        2) **Hello World**

        3) **Compilation fails.**

        4) **Hello World 5**

        5) **The code runs with no output.**

        6) **An exception is thrown at runtime.**

              Your Selected options   ::   none   ✖

              Correct Options   ::   3

```
Click Here for Explanation
```

---

110)   **Given:**
        5. class Thingy { Meter m = new Meter(); }
        6. class Component { void go() { System.out.print("c"); } }
        7. class Meter extends Component { void go() { System.out.print("m"); } }
        8.
        9. class DeluxeThingy extends Thingy {
        10. public static void main(String[] args) {
        11. DeluxeThingy dt = new DeluxeThingy();
        12. dt.m.go();
        13. Thingy t = new DeluxeThingy();
        14. t.m.go();
        15. }
        16. }
      Which two are true? (Choose two.)

        1) **The output is mm.**

        2) **The output is mc.**

        3) **Component is-a Meter.**

        4) **Component has-a Meter.**

        5) **DeluxeThingy is-a Component.**

        6) **DeluxeThingy has-a Component.**

              Your Selected options   ::   none   ✖

              Correct Options   ::   1, 6

```
Click Here for Explanation
```

Total No.of Questions	::	292
Total No.of Answered Questions	::	0
Total No.of Unanswered Questions	::	292
Marks	::	0/292(0%)