DURGA ONLINE EXAMS

Test Your Knowledge

HOME

201) **Given:**

```
11. public String makinStrings() {
12. String s = â€œFredâ€;
13. s = s + â€œ47â€;
14. s = s.substring(2, 5);
15. s = s.toUpperCase();
16. return s.toString();
17. }
```

How many String objects will be created when this method is invoked?

1) **1**
2) **2**
3) **3**
4) **4**
5) **5**
6) **6**

Your Selected options :: none

Correct Options :: 5

Click Here for Explanation

202) **Given:**

```
11. public class Person {
12. private String name;
13. public Person(String name) {
14. this.name = name;
15. }
16. public boolean equals(Object o) {
17. if ( ! o instanceof Person ) return false;
18. Person p = (Person) o;
19. return p.name.equals(this.name);
20. }
21. }
```

Which statement is true?

1) **Compilation fails because the hashCode method is not overridden.**
2) **A HashSet could contain multiple Person objects with the same name.**
3) **All Person objects will have the same hash code because the hashCode method is not overridden.**
4) **If a HashSet contains more than one Person object with name="Fred", then removing another Person, also with name="Fred", will remove them all.**

Your Selected options :: none

Correct Options :: 2

Click Here for Explanation

203) **Given:**

```
1. public class BuildStuff {
2. public static void main(String[] args) {
3. Boolean test = new Boolean(true);
4. Integer x = 343;
5. Integer y = new BuildStuff().go(test, x);
6. System.out.println(y);
7. }
8. int go(Boolean b, int i) {
9. if(b) return (i/7);
10. return (i/49);
11. }
12. }
```

What is the result?

1) **7**

2) **49**

3) **343**

4) **Compilation fails.**

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

Your Selected options :: none

Correct Options :: 2

Click Here for Explanation

204) **Which two statements are true about the hashCode method? (Choose two.)**

1) **The hashCode method for a given class can be used to test for object equality and object inequality for that class.**

2) **The hashCode method is used by the java.util.SortedSet collection class to order the elements within that set.**

3) **The hashCode method for a given class can be used to test for object inequality, but NOT object equality, for that class.**

4) **The only important characteristic of the values returned by a hashCode method is that the distribution of values must follow a Gaussian distribution.**

5) **The hashCode method is used by the java.util.HashSet collection class to group the elements within that set into hash buckets for swift retrieval.**

Your Selected options :: none

Correct Options :: 3, 5

Click Here for Explanation

205) **Given:**

```
11. public void testIfA() {
12. if (testIfB("True")) {
13. System.out.println("True");
14. } else {
15. System.out.println("Not true");
16. }
17. }
18. public Boolean testIfB(String str) {
19. return Boolean.valueOf(str);
20. }
```

What is the result when method testIfA is invoked?

1) **True**

2) **Not true**

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

4) **Compilation fails because of an error at line 12.**

5) **Compilation fails because of an error at line 19.**

Your Selected options :: none

Correct Options :: 1

Click Here for Explanation

206) **Given:**

```
1. public class TestString3 {
2. public static void main(String[] args) {
3. // insert code here
5. System.out.println(s);
6. }
7. }
```

Which two code fragments, inserted independently at line 3, generate the output 4247? (Choose two.)

1)
```
String s = "123456789";
s = (s-"123").replace(1,3,"24") - "89";
```

2)
```
StringBuffer s = new StringBuffer("123456789");
s.delete(0,3).replace(1,3,"24").delete(4,6);
```

3)
```
StringBuffer s = new StringBuffer("123456789");
s.substring(3,6).delete(1,3).insert(1, "24");
```

4)
```
StringBuilder s = new StringBuilder("123456789");
s.substring(3,6).delete(1,2).insert(1, "24");
```

5)
```
StringBuilder s = new StringBuilder("123456789");
```

s.delete(0,3).delete(1,3).delete(2,5).insert(1, "24");

Your Selected options :: none

Correct Options :: 2, 5

Click Here for Explanation

207) **Given:**

```
1. public class KungFu {
2. public static void main(String[] args) {
3. Integer x = 400;
4. Integer y = x;
5. x++;
6. StringBuilder sb1 = new StringBuilder("123");
7. StringBuilder sb2 = sb1;
8. sb1.append("5");
9. System.out.println((x==y) + " " + (sb1==sb2));
10. }
11. }
```

What is the result?

1) **true true**
2) **false true**
3) **true false**
4) **false false**
5) **Compilation fails.**
6) **An exception is thrown at runtime.**

Your Selected options :: none

Correct Options :: 2

Click Here for Explanation

208) **Given:**

```
11. public class Person {
12. private String name, comment;
13. private int age;
14. public Person(String n, int a, String c) {
15. name = n; age = a; comment = c;
16. }
17. public boolean equals(Object o) {
18. if (! (o instanceof Person)) return false;
19, Person p = (Person)o;
20. return age == p.age && name.equals(p.name);
21. }
22. }
```

What is the appropriate definition of the hashCode method in class Person?

1) **return super.hashCode();**
2) **return name.hashCode() + age * 7;**
3) **return name.hashCode() + comment.hashCode() / 2;**
4) **return name.hashCode() + comment.hashCode() / 2 - age * 3;**

Your Selected options :: none

Correct Options :: 2

Click Here for Explanation

209) **Given:**

```
1. public class Boxer1{
2. Integer i;
3. int x;
4. public Boxer1(int y) {
5. x = i+y;
6. System.out.println(x);
7. }
8. public static void main(String[] args) {
9. new Boxer1(new Integer(4));
10. }
11. }
```

What is the result?

1) **The value "4" is printed at the command line.**
2) **Compilation fails because of an error in line 5.**

3) **Compilation fails because of an error in line 9.**

4) **A NullPointerException occurs at runtime.**

5) **A NumberFormatException occurs at runtime.**

6) **An IllegalStateException occurs at runtime.**

Your Selected options :: none

Correct Options :: 4

Click Here for Explanation

210) **Given:**

```
11. public static void test(String str) {
12. int check = 4;
13. if (check = str.length()) {
14. System.out.print(str.charAt(check -= 1) +", ");
15. } else {
16. System.out.print(str.charAt(0) + ", ");
17. }
18. }
```

and the invocation:

```
21. test("four");
22. test("tee");
23. test("to");
```

What is the result?

1) **r, t, t,**

2) **r, e, o,**

3) **Compilation fails.**

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

Your Selected options :: none

Correct Options :: 3

Click Here for Explanation

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

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