# DURGA ONLINE EXAMS



Test Your Knowledge

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111) **Given:**

```
10. abstract class A {
11. abstract void a1();
12. void a2() { }
13. }
14. class B extends A {
15. void a1() { }
16. void a2() { }
17. }
18. class C extends B { void c1() { } }
```

**and:**

```
A x = new B(); C y = new C(); A z = new C();
```

**What are four valid examples of polymorphic method calls? (Choose four.)**

1) **x.a2();**
2) **z.a2();**
3) **z.c1();**
4) **z.a1();**
5) **y.c1();**
6) **x.a1();**

**Your Selected options :: none**

**Correct Options :: 1, 2, 4, 6**

Click Here for Explanation

112) **Given:**

```
11. public abstract class Shape {
12. int x;
13. int y;
14. public abstract void draw();
15. public void setAnchor(int x, int y) {
16. this.x = x;
17. this.y = y;
18. }
19. }
```

**and a class Circle that extends and fully implements the Shape class.**
**Which is correct?**

1)
```
Shape s = new Shape();
s.setAnchor(10,10);
s.draw();
```

2)
```
Circle c = new Shape();
c.setAnchor(10,10);
c.draw();
```

3)
```
Shape s = new Circle();
s.setAnchor(10,10);
s.draw();
```

4)
```
Shape s = new Circle();
s->setAnchor(10,10);
s->draw();
```

5)
```
Circle c = new Circle();
c.Shape.setAnchor(10,10);
c.Shape.draw();
```

**Your Selected options :: none**

**Correct Options :: 3**

Click Here for Explanation

113) **Given:**

```
10. interface Data { public void load(); }
11. abstract class Info { public abstract void load(); }
```

**Which class correctly uses the Data interface and Info class?**

1) ***public class Employee extends Info implements Data {***
***public void load() { /*do something*/ }***
***}***

2) ***public class Employee implements Info extends Data {***
***public void load() { /*do something*/ } }***

3) ***public class Employee extends Info implements Data***
***public void load(){ /*do something*/ }***
***public void Info.load(){ /*do something*/ }***
***}***

4) ***public class Employee implements Info extends Data {***
***public void Data.load(){ /*do something*/ }***
***public void load(){ /*do something*/ }***
***}***

5) ***public class Employee implements Info extends Data {***
***public void load(){ /*do something*/ }***
***public void Info.load(){ /*do something*/ }***
***}***

6) ***public class Employee extends Info implements Data{***
***public void Data.load() { /*do something*/ }***
***public void Info.load() { /*do something*/ } }***

**Your Selected options :: none**

**Correct Options :: 1**

Click Here for Explanation

114)
```
11. class Alpha {
12. public void foo() { System.out.print("Afoo "); }
13. }
14. public class Beta extends Alpha {
15. public void foo() { System.out.print("Bfoo "); }
16. public static void main(String[] args) {
17. Alpha a = new Beta();
18. Beta b = (Beta)a;
19. a.foo(); 20. b.foo();
21. }
22. }
```

**What is the result?**

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

**Your Selected options :: none**

**Correct Options :: 4**

Click Here for Explanation

115) **Given:**

```
1. interface DoStuff2 {
2. float getRange(int low, int high); }
3.
4. interface DoMore {
5. float getAvg(int a, int b, int c); }
6.
7. abstract class DoAbstract implements DoStuff2, DoMore { }
8.
9. class DoStuff implements DoStuff2 {
10. public float getRange(int x, int y) { return 3.14f; } }
11.
12. interface DoAll extends DoMore {
13. float getAvg(int a, int b, int c, int d); }
```

**What is the result?**

1) **The file will compile without error.**
2) **Compilation fails. Only line 7 contains an error.**
3) **Compilation fails. Only line 12 contains an error.**
4) **Compilation fails. Only line 13 contains an error.**
5) **Compilation fails. Only lines 7 and 12 contain errors.**
6) **Compilation fails. Only lines 7 and 13 contain errors.**
7) **Compilation fails. Lines 7, 12, and 13 contain errors.**

**Your Selected options :: none**

**Correct Options :: 1**

Click Here for Explanation

116) **Click the Exhibit button.**
**Given:**
**25. A a = new A();**
**26. System.out.println(a.doit(4, 5));**
**What is the result?**

```
1. public class A {
2.   public String doit(int x, int y) {
3.     return "a";
4.   }
5.
6.   public String doit(int... vals) {
7.     return "b";
8.   }
9. }
```

1) **Line 26 prints "a" to System.out.**
2) **Line 26 prints "b" to System.out.**
3) **An exception is thrown at line 26 at runtime.**
4) **Compilation of class A will fail due to an error in line 6.**

**Your Selected options :: none**

**Correct Options :: 1**

Click Here for Explanation

117) **Given:**

```
20. public class CreditCard {
21.
22. private String cardID;
23. private Integer limit;
24. public String ownerName;
25.
26. public void setCardInformation(String cardID,
27. String ownerName,
28. Integer limit) {
29. this.cardID = cardID;
30. this.ownerName = ownerName;
31. this.limit = limit;
32. }
33. }
```

**Which statement is true?**

1) **The class is fully encapsulated.**
2) **The code demonstrates polymorphism.**
3) **The ownerName variable breaks encapsulation.**
4) **The cardID and limit variables break polymorphism.**
5) **The setCardInformation method breaks encapsulation.**

**Your Selected options :: none**

**Correct Options :: 3**

Click Here for Explanation

118) **Given:**

```
10. class One {
11. void foo() { }
12. }
13. class Two extends One {
14. //insert method here
15. }
```

**Which three methods, inserted individually at line 14, will correctly complete class Two? (Choose three.)**

1) **int foo() { /* more code here */ }**
2) **void foo() { /* more code here */ }**
3) **public void foo() { /* more code here */ }**
4) **private void foo() { /* more code here */ }**
5) **protected void foo() { /* more code here */ }**

**Your Selected options :: none**

**Correct Options :: 2, 3, 5**

Click Here for Explanation

119) **Given code in separate source files:**

```
10. public class Foo {
11. public int a;
12. public Foo() { a = 3; }
13. public void addFive() { a += 5;}
14. } and: 20. public class Bar extends Foo {
21. public int a;
22. public Bar() { a = 8; }
23. public void addFive() { this.a += 5; }
24. } invoked with:
30. Foo foo = new Bar();
31. foo.addFive();
32. System.out.println("Value: " + foo.a);
```

**What is the result?**

1) **Value: 3**
2) **Value: 8**
3) **Value: 13**
4) **Compilation fails.**
5) **The code runs with no output.**
6) **An exception is thrown at runtime.**

**Your Selected options :: none**

**Correct Options :: 1**

Click Here for Explanation

120) **Given:**

```
1. interface A { public void aMethod(); }
2. interface B { public void bMethod(); }
3. interface C extends A,B { public void cMethod(); }
4. class D implements B {
5. public void bMethod(){}
6. }
7. class E extends D implements C {
8. public void aMethod(){}
9. public void bMethod(){}
10. public void cMethod(){}
11. }
```

**What is the result?**

1) **Compilation fails because of an error in line 3.**
2) **Compilation fails because of an error in line 7.**
3) **Compilation fails because of an error in line 9.**
4) **If you define D e = new E(), then e.bMethod() invokes the version of bMethod() defined in Line 5.**
5) **If you define D e = (D)(new E()), then e.bMethod() invokes the version of bMethod() defined in Line 5.**
6) **If you define D e = (D)(new E()), then e.bMethod() invokes the version of bMethod() defined in Line 9.**

**Your Selected options :: none**

**Correct Options :: 6**

Click Here for Explanation

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|---|---|---|
| **Total No.of Questions** | :: | 292 |
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| **Total No.of Unanswered** | :: | 292 |

**Questions**

**Marks** :: 0/292(0%)

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