**Inheritance MCQ**

**Q) Which inheritance in java programming is not supported**

1. Multiple inheritance using classes
2. **Multiple inheritance using interfaces**
3. Multilevel inheritance
4. Single inheritance

**Q) What is subclass in java?**

1. A subclass is a class that extends another class
2. **A subclass is a class declared inside a class**
3. Both above.
4. None of the above.

**Q) If class B is sub classed from class A then which is the correct syntax**

1. class B:A{}
2. class B extends A{}
3. **class B extends class A{}**
4. class B implements A{}

**Q) Order of execution of constructors in Java Inheritance is**

1. **Base to derived class**
2. Derived to base class
3. Random order
4. None

**Q) Advantage of inheritance in java programming is/are**

1. **Code Re-usability**
2. Class Extendibility
3. Save development time
4. **All**

**Q) Which of the following is/are true statements?**

1. **A class can extend only one class but can implement many interfaces**
2. **An interface can extend many interfaces**
3. An interface can implement another interface
4. An interface can implement a class

**Q) Which class cannot be sub classed?**

1. **final class**
2. object class
3. **abstract class**
4. child class

**Q) To prevent a class to be inherited / extended, the class should be**

1. **final class**
2. abstract class
3. final and abstract both
4. none

**Q) In which java oops feature one object can acquire all the properties and behaviours of the parent object?**

1. Encapsulation
2. Inheritance
3. Polymorphism
4. None of the above

**Q) The functionality of multiple inheritance can be implemented in Java by**

I. Extending one class and implementing multiple interfaces.  
II.Implementing multiple interfaces.  
III.Extending multiple classes and interfaces.  
IV. Extending multiple classes and one interface

1. Only I
2. Only III
3. **I & II**
4. II & III

What will be the output of the following Java program?

1. **class** A
2. {
3. **int** i;
4. **void** display()
5. {
6. System.out.println(i);
7. }
8. }
9. **class** B **extends** A
10. {
11. **int** j;
12. **void** display()
13. {
14. System.out.println(j);
15. }
16. }
17. **class** inheritance\_demo
18. {
19. **public** **static** **void** main(String args[])
20. {
21. B obj = **new** B();
22. obj.i=1;
23. obj.j=2;
24. obj.display();
25. }
26. }

a)0  
b)1  
c)**2**  
d) Compilation Error

6. What will be the output of the following Java program?

1. **class** A
2. {
3. **int** i;
4. }
5. **class** B **extends** A
6. {
7. **int** j;
8. **void** display()
9. {
10. **super**.i = j + 1;
11. System.out.println(j + " " + i);
12. }
13. }
14. **class** inheritance
15. {
16. **public** **static** **void** main(String args[])
17. {
18. B obj = **new** B();
19. obj.i=1;
20. obj.j=2;
21. obj.display();
22. }
23. }
24. 2 2
25. 3 3
26. **2 3**
27. 3 2

7. What will be the output of the following Java program?

1. **class** A
2. {
3. **public** **int** i;
4. **public** **int** j;
5. A()
6. {
7. i = 1;
8. j = 2;
9. }
10. }
11. **class** B **extends** A
12. {
13. **int** a;
14. B()
15. {
16. **super**();
17. }
18. }
19. **class** super\_use
20. {
21. **public** **static** **void** main(String args[])
22. {
23. B obj = **new** B();
24. System.out.println(obj.i + " " + obj.j)
25. }
26. }

a)**12**  
b)21  
c)RuntimeError  
d)Compilation Error