DAY-28(INHERITANCE)

1

What will be the output of the following Java program?

```java
class A {
    public int i;
    public int j;
    A(){
        i = 1;
        j = 2;
    }
}
class B extends A{
    int a;
    B()
    {
        super();
    }
}
class super_use {
    public static void main(String args[]){
        B obj = new B();
        System.out.println(obj.i + " " + obj.j);
    }
}
```

☐ 2 1

☐ Compiler Error

☐ Runtime error

Correct

What are the features reused using Inheritance in Java?

☐ Methods

☐ Constants

☐ Variables

☑ All the above

Correct

Which of the following keyword must be used to inherit a class?

- ☑ extends
- ☐ super
- ☐ this
- ☐ extend

Correct

In Java, can a subclass have multiple direct superclasses ?

☐ Yes, but only if the superclass is declared as abstract

☐ Yes, always

☐ Yes, but only if the superclasses have different access modifiers

☑ No, Java does'nt supports this

Correct

What will be the output of the following Java program?

```java
class A {
    int i;
    void display() {
        System.out.println(i);
    }
}
class B extends A {
    int j;
    void display() {
        System.out.println(j);
    }
}
class inheritance_demo {
    public static void main(String args[]){
        B obj = new B();
        obj.i=1;
        obj.j=2;
        obj.display();
    }
}
```

☐ 1

☐ 0

☑ 2

☐ compiler Error