Output

default constructor is invoked
default constructor is invoked
111 Karan
222 Aryan
Why multiple inheritance is not supported in java

class A
{
    void msg()
    {
        System.out.println("Hello");
    }
}
class B
{
    void msg()
    {
        System.out.println("Welcome");
    }
}
class C extends A,B
{
    public static void main(String args[])
    {
        C obj=new C();
        obj.msg();
    }
}

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Abstraction

Abstraction is a process of hiding the implementation details and showing only functionality to the user.

Ways to achieve Abstraction

- There are two ways to achieve abstraction in Java:
  1. Abstract class
  2. Interface

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Interface in Java

- An interface in Java is a blueprint of a class.
- It has static constants and abstract methods only.
- The interface in Java is a mechanism to achieve fully abstraction.
- There can be only abstract methods in the Java interface not method body.
- It is used to achieve fully abstraction and multiple inheritance in Java.

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Multiple inheritance is not supported through class in Java but it is possible by interface, why?

```java
interface Printable {
    void print();
}
interface Showable {
    void print();
}

class TestInterface1 implements Printable, Showable {
    public void print(){System.out.println("Hello");}
    public static void main(String args[]) {
        TestInterface1 obj = new TestInterface1();
        obj.print();
    }
}
```

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