

Exercise - 5 b)

b) Write a JAVA program to implement Interface. What kind of Inheritance can be achieved?

Aim: To write a JAVA program to implement Interface.

Programs:

(i) First form of Interface Implementation

interface A

```
{  
    void display();  
}
```

OBJECT ORIENTED PROGRAMMING THROUGH JAVA LAB

```
}  
  
class B implements A  
{  
    public void display()  
    {  
        System.out.println("B's method");  
    }  
}  
  
class C extends B  
{  
    public void callme()  
    {  
        System.out.println("C's method");  
    }  
}  
  
class Interfacedemo  
{  
    public static void main(String args[])  
    {  
        C c1=new C();  
        c1.display();  
        c1.callme();  
    }  
}
```

Output:

B's method

C's method

Exercise - 6 b)

b) Write a JAVA program illustrating Multiple catch clauses

Aim: To write a JAVA program illustrating Multiple catch clauses

Program:

```
class multitydemo
{
    public static void main(String args[])
    {
        try
        {
            int a=10,b=5; int c=a/b;
            int d[]={0,1};
            System.out.println(d[10]);
            System.out.println(c);
        }
    }
}
```

OBJECT ORIENTED PROGRAMMING THROUGH JAVA LAB

```
        catch(ArithmeticException e)
        {
            System.out.println(e);
        }
        catch(ArrayIndexOutOfBoundsException e)
        {
            System.out.println(e);
        }
        System.out.println("After the catch statement");
    }
}
```

Output:

java.lang.ArrayIndexOutOfBoundsException: 10

After the catch statement