

PRACTICAL:23

AIM: Write a program that illustrates interface inheritance.

Interface P12 inherits from both P1 and P2. Each interface declares one constant and one method. The class Q implements P12.

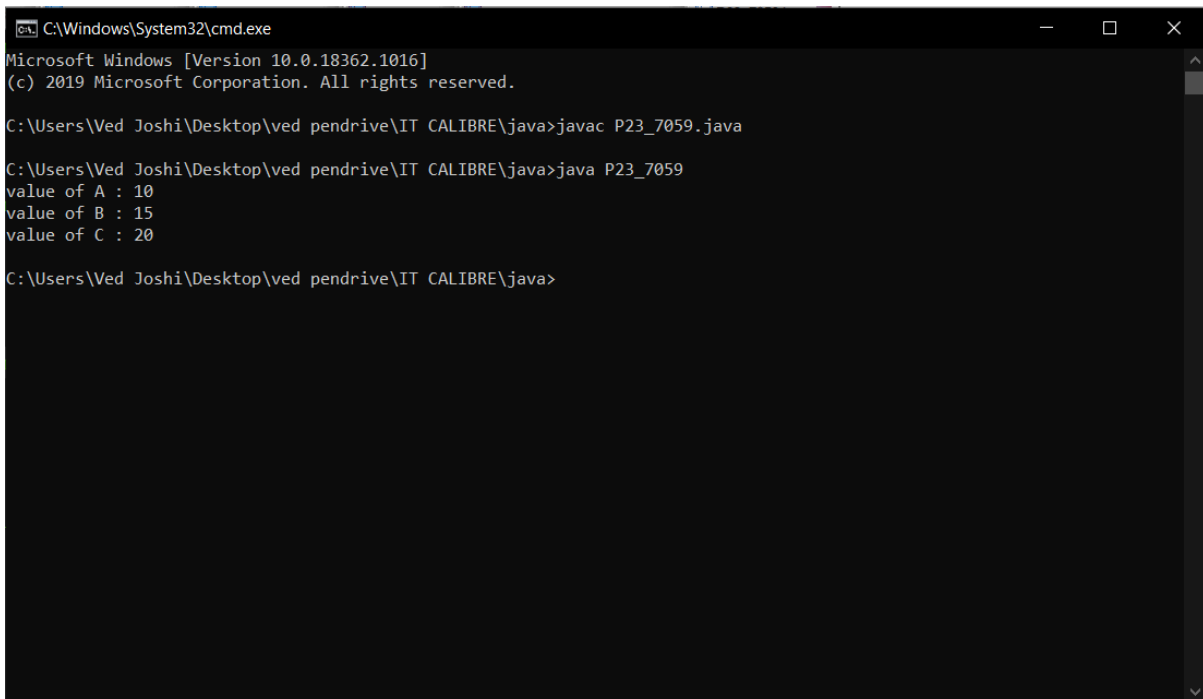
Instantiate Q and invoke each of its methods. Each method displays one of the constants.

PROGRAM:

```
interface P1
{
    final int a=10;
    void disp();
}
interface P2
{
    final int b=15;
    void displ();
}
interface P12 extends P1,P2
{
    final int c=20;
    void display();
}
class P23_7059 implements P12
{
    public void disp()
    {
        System.out.println("value of A : "+a);
    }
    public void displ()
    {
```

```
        System.out.println("value of B : "+b);
    }
    public void display()
    {
        System.out.println("value of C : "+c);
    }
    public static void main(String args[])
    {
        P23_7059 q=new P23_7059();
        q.disp();
        q.displ();
        q.display();
    }
}
```

OUTPUT:



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.18362.1016]
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C:\Users\Ved Joshi\Desktop\ved pendrive\IT CALIBRE\java>javac P23_7059.java

C:\Users\Ved Joshi\Desktop\ved pendrive\IT CALIBRE\java>java P23_7059
value of A : 10
value of B : 15
value of C : 20

C:\Users\Ved Joshi\Desktop\ved pendrive\IT CALIBRE\java>
```