

Program:5 Write a java program demonstrating Method overloading and Constructor overloading.

// Java program to illustrate

// Method & Constructor Overloading

Write a program in JAVA to demonstrate the method and constructor overloading.

```
class Cs
{
    int p,q;
    public Cs()
    {
        System.out.println("Default constructor gets called");
    }
    public Cs(int x, int y)
    {
        System.out.println("This is parameterized constructor");
        p=x;
        q=y;
    }
    public int add(int i, int j)
    {
        return (i+j);
    }
    public int add(int i, int j, int k)
    {
        return (i+j+k);
    }
    public float add(float f1, float f2)
    {
        return (f1+f2);
    }
    public void printData()
    {
        System.out.print("p = "+p);
        System.out.println(" q = "+q);
    }
}
class ConstructorOverloading
{
    public static void main(String args[])
    {
        int x=2, y=3, z=4;
        Cs c=new Cs();
        Cs c1=new Cs(x, z );
        c1.printData();
        float m=7.2F, n=5.2F;
        System.out.println(c.add(x,y));
        System.out.println(c.add(x,y,z));
    }
}
```

```
System.out.println(c.add(m, n));  
}  
}
```