Task – 4 Methods

1. a) Write a java program to implement constructor overloading.

Aim : A java program to implement constructor overloading.

Source Code :

```
class Student5{
 int id;
String name;
 int age;
 //creating two arg constructor
 Student5(int i, String n){
 id = i;
 name = n;
 }
 //creating three arg constructor
 Student5(int i, String n, int a){
 id = i;
 name = n;
 age=a;
 }
 void display(){System.out.println(id+" "+name+" "+age);}

 public static void main(String args[]){
 Student5 s1 = new Student5(111,"Karan");
 Student5 s2 = new Student5(222,"Aryan",25);
 s1.display();
 s2.display();
 }
}
```

Expected Output :

Executed Output :

Result :

b).Write a JAVA program to implement Method Overloading.

Aim : A java program to implement Method Overloading.

Source Code :

```
public class MLoadAddition
{
static void add(int x, int y)
{
System.out.println("Sum of "+x+" and "+y+" : "+(x+y));
}
```

```
static void add(int x,float y)
{
System.out.println("Sum of "+x+" and "+y+" : "+(x+y));
}
static void add(float x,float y)
{
System.out.println("Sum of "+x+" and "+y+" : "+(x+y));
}
static void add(float x,double y,double z)
{
System.out.println("Sum of "+x+", "+y+" and "+z+" : "+(x+y+z));
}
public static void main(String args[])
{
int a=Integer.parseInt(args[0]);
int b=Integer.parseInt(args[1]);
add(a, b);
float c=Float.parseFloat(args[2]);
float d=Float.parseFloat(args[3]);
add(c, d);
double e=Double.parseDouble(args[4]);
double f=Double.parseDouble(args[5]);
add(d,e,f);
}
}
```

Expected Output :

Executed Output :

Result :