**Name :Aditi Bandawar**

**Roll NO. :TYETA08**

***Experiment:3*** [***https://onlinegdb.com/q7mtlBuWi***](https://onlinegdb.com/q7mtlBuWi)

**Method and constructor overloading :**

**Code:**

public class expt3 {

static class Student{//class with 2 constructor is created , constructor overloading is implemented

int id;

String name;

public Student(int id, String name){//constructor with arguments

this.id = id;

this.name = name;

}

public Student(){//Second Constructor without any arguments

this.id = 6;

this.name = "Aditi";

}

}

static class calc{//Here we created a class which contains 2 methods and implemented method overloading

int calculator(int a, int b) {//First Method with passing arguments as 2 integers

return a+b;

}

double calculator(double a, double b) {//Second Method with passing arguments as 2 doubles

return a+b;

}

}

public static void main(String[] args) {

System.out.println("TYETA08 Aditi Bandawar");

Student s1 = new Student(12, "Vedanti");//Creating Object with passing parameters

Student s2 = new Student();

System.out.println("studen 1 information "+ s1.id +" "+ s1.name);

System.out.println("studen 2 information "+ s2.id +" "+ s2.name);

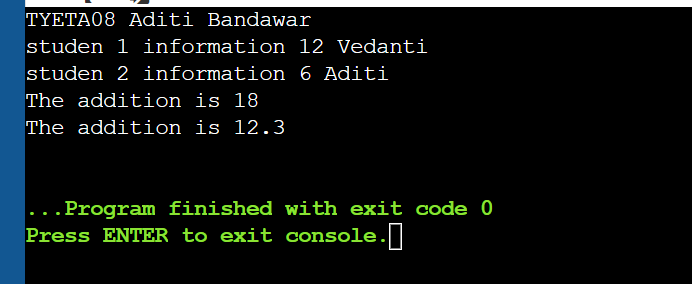
calc c1 = new calc();

System.out.println("The addition is "+ c1.calculator(6,12));

System.out.println("The addition is "+ c1.calculator(7.4, 4.9));

}}

**OUTPUT**

****