

Implement a Program on method of constructor overloading

1) Method Overloading

```
class OverloadTest
```

```
{
```

```
    public static void main(String args[])
```

```
    {
```

```
        OverloadTest o=new OverloadTest();
```

```
        o.add(1,4);
```

```
        o.add(1.00,2.06);
```

```
        o.add(10,12,14);
```

```
    }
```

```
    void add(int a, int b)
```

```
    {
```

```
        System.out.println("Sum of a and b is "+(a+b));
```

```
    }
```

```
    void add(int c, double d)
```

```
    {
```

```
        System.out.println("Sum of 1.00 and 2.06 is "+(c+d));
```

```

    }

    void add(int e, int f, int g)

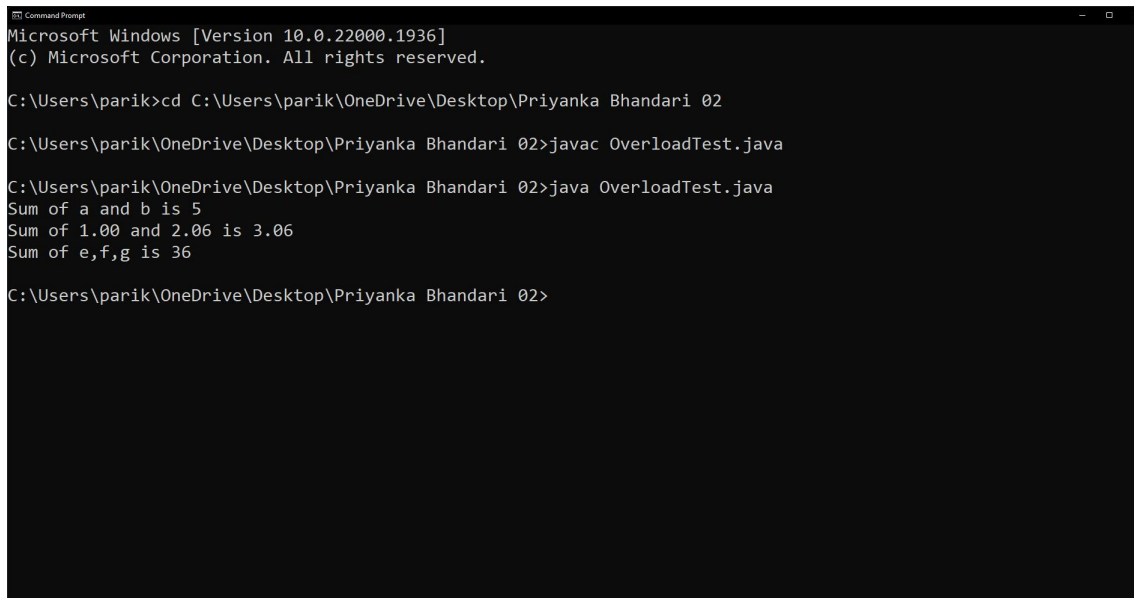
    {

        System.out.println("Sum of e,f,g is "+(e+f+g));

    }

}

```



```

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C:\Users\parik>cd C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>javac OverloadTest.java

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>java OverloadTest.java
Sum of a and b is 5
Sum of 1.00 and 2.06 is 3.06
Sum of e,f,g is 36

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>

```

2) Constructor Overloading

```

public class Student {

    //instance variables of the class

    int id;

    String name;

```

```
Student(){  
  
System.out.println("this a default constructor");  
  
}
```

```
Student(int i, String n){  
  
id = i;  
  
name = n;  
  
}
```

```
public static void main(String[] args) {
```

```
//object creation
```

```
Student s = new Student();  
  
System.out.println("\nDefault Constructor values: \n");  
  
System.out.println("Student Id : "+s.id + "\nStudent Name : "+s.name);
```

```
System.out.println("\nParameterized Constructor values: \n");  
  
Student student = new Student(10, "David");  
  
System.out.println("Student Id : "+student.id + "\nStudent Name :  
"+student.name);  
  
}  
  
}
```

```
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C:\Users\parik>cd C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>javac Student.java

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>java Student.java
this a default constructor

Default Constructor values:

Student Id : 0
Student Name : null

Parameterized Constructor values:

Student Id : 10
Student Name : David

C:\Users\parik\OneDrive\Desktop\Priyanka Bhandari 02>
```