

Program - 02

Write a Java program to illustrate the concept of class with method overloading.

```
class student1 {
    int a;
    void sum (int a, int b) {
        System.out.println ("first student marks:");
        System.out.println ("first subject mark is :"+a);
        System.out.println ("second subject mark is :"+b);
        int c = a + b;
        System.out.println ("sum of the two subject mark is :"+c);
    }
}

class student2 {
    int a;
    void sum (int a, int b, int d) {
        System.out.println ("second student marks:");
        System.out.println ("first subject mark is :"+a);
        System.out.println ("second subject mark is :"+b);
        System.out.println ("third subject mark is :"+d);
        int c = a + b + d;
        System.out.println ("sum of the three subjects marks is :"+c);
    }
}
```



```
class mainclass {
```

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

```
        Student1 ob1 = new Student1();
```

```
        ob1.sum (10, 20);
```

```
        Student2 ob2 = new Student2();
```

```
        ob2.sum (10, 20, 30);
```

```
    }
```

```
}
```

Output

first student marks :

first subject mark is : 10

second subject mark is : 20

Sum of the two subjects mark is : 30

Second student marks :

first subject mark is : 10

second subject mark is : 20

Third subject mark is : 30

sum of the three subjects mark is : 60

Windows PowerShell
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PS E:\GITAM\4th sem\JAVA LAB> java program2

First Student Marks :

first subject mark is:10

Second subject mark is:20

Sum of the two subject mark is: 30

Second Student Marks :

first subject mark is:10

second subject mark is:20

third subject mark is:30

Sum of the three subject mark is: 60

PS E:\GITAM\4th sem\JAVA LAB>