

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

OOP Exercise 1

**Problem :** In an application of college, The application take input of 2 students names and marks of subject "Java". Compare the marks of 2 students and display the Name of student scoring higher marks.

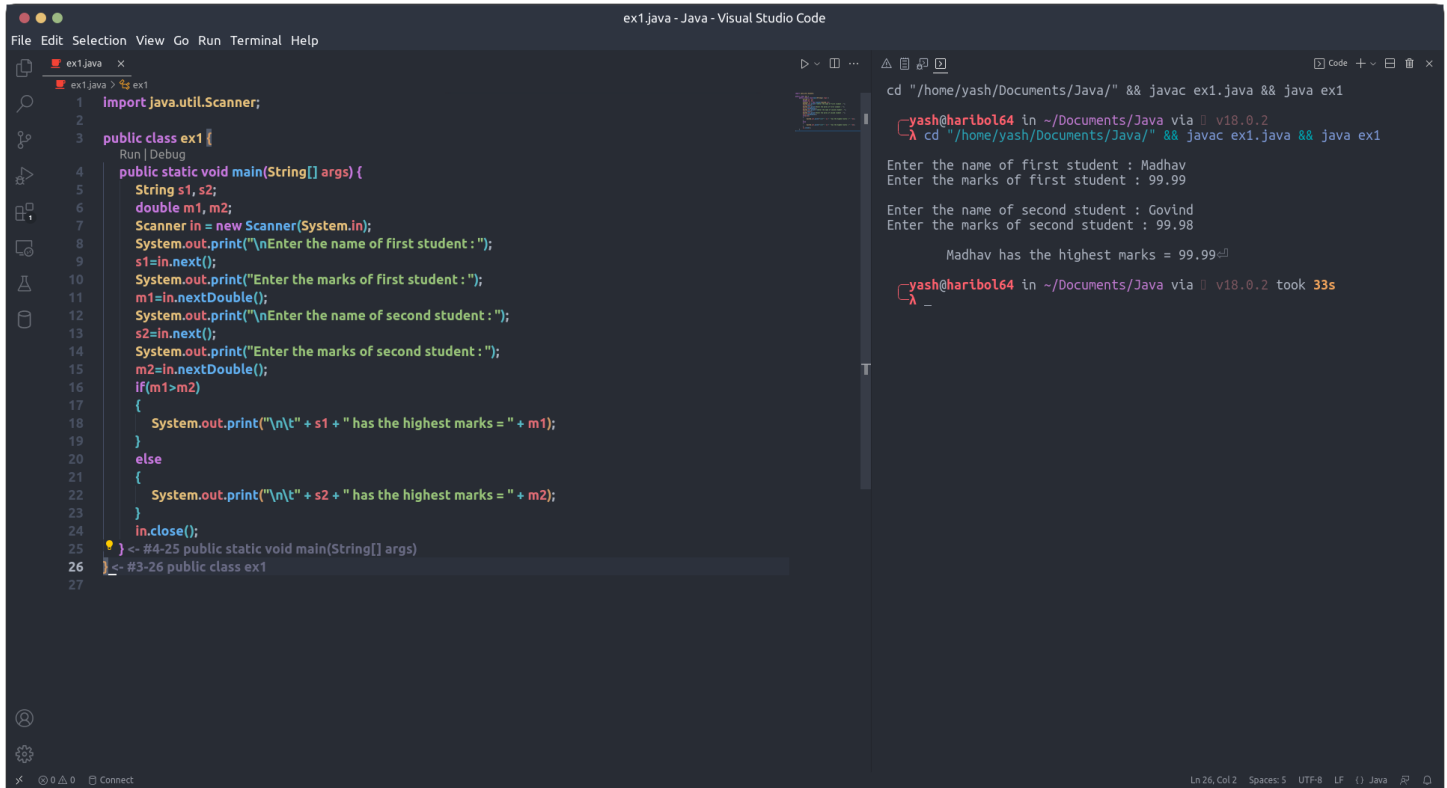
**Code :**

```
import java.util.Scanner;

public class ex1 {
    public static void main(String[] args) {
        String s1, s2;
        double m1, m2;
        Scanner in = new Scanner(System.in);
        System.out.print("\nEnter the name of first student : ");
        s1=in.next();
        System.out.print("Enter the marks of first student : ");
        m1=in.nextDouble();
        System.out.print("\nEnter the name of second student : ");
        s2=in.next();
        System.out.print("Enter the marks of second student : ");
        m2=in.nextDouble();
        if(m1>m2)
        {
            System.out.print("\n\t" + s1 + " has the highest marks = " + m1);
        }
        else
        {
            System.out.print("\n\t" + s2 + " has the highest marks = " + m2);
        }
        in.close();
    }
}
```

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## Output :



The screenshot displays the Visual Studio Code interface with a Java file named `ex1.java` open. The code defines a class `ex1` with a `main` method that prompts the user for the names and marks of two students, compares them, and prints the student with the highest marks. The terminal on the right shows the execution of the program, where the user enters 'Madhav' and '99.99' for the first student, and 'Govind' and '99.98' for the second student. The output correctly identifies Madhav as having the highest marks.

```
ex1.java - Java - Visual Studio Code

File Edit Selection View Go Run Terminal Help

ex1.java x
ex1.java > ex1
1 import java.util.Scanner;
2
3 public class ex1 {
4     public static void main(String[] args) {
5         String s1, s2;
6         double m1, m2;
7         Scanner in = new Scanner(System.in);
8         System.out.print("\nEnter the name of first student:");
9         s1=in.next();
10        System.out.print("Enter the marks of first student:");
11        m1=in.nextDouble();
12        System.out.print("\nEnter the name of second student:");
13        s2=in.next();
14        System.out.print("Enter the marks of second student:");
15        m2=in.nextDouble();
16        if(m1>m2)
17        {
18            System.out.print("\n\t" + s1 + " has the highest marks = " + m1);
19        }
20        else
21        {
22            System.out.print("\n\t" + s2 + " has the highest marks = " + m2);
23        }
24        in.close();
25    } <- #4-25 public static void main(String[] args)
26    <- #3-26 public class ex1
27
```

```
cd "/home/yash/Documents/Java/" && javac ex1.java && java ex1

yash@haribol64 in ~/Documents/Java via v18.0.2
λ cd "/home/yash/Documents/Java/" && javac ex1.java && java ex1

Enter the name of first student : Madhav
Enter the marks of first student : 99.99

Enter the name of second student : Govind
Enter the marks of second student : 99.98

Madhav has the highest marks = 99.99

yash@haribol64 in ~/Documents/Java via v18.0.2 took 33s
λ _
```

Ln 26, Col 2 Spaces: 5 UTF-8 LF ( ) Java