

Swapnanil Dutta Roll:12

Question: Buffered Reader Input

Code:

```
import java.io.*;

public class buffer{
    public static void main(String[] args) throws IOException{
        InputStreamReader in = new InputStreamReader(System.in);
        BufferedReader br = new BufferedReader(in);
        System.out.println("Enter two decimal values:");
        String s1 = br.readLine();
        String s2 = br.readLine();
        Double d1 = Double.parseDouble(s1);
        Double d2 = Double.parseDouble(s2);
        System.out.println("First: "+d1+"\nSecond: "+d2);
        System.out.println("Sum: "+(d1+d2));
        System.out.printf("Sum: %.2f", (d1+d2));
    }
}
```

Output:

```
PS D:\OOPS-PCC-CS593\Day 2 (16.09.2020)> javac buffer.java
PS D:\OOPS-PCC-CS593\Day 2 (16.09.2020)> java buffer
Enter two decimal values:
7.14581
1.58963
First: 7.14581
Second: 1.58963
Sum: 8.73544
Sum: 8.74
```

Question: Input using Scanner Class

Code:

```
import java.util.*;

public class ScannerIn {
    public static void main(String[] args) {
        Scanner sc= new Scanner(System.in);
        System.out.print("Input Roll : ");
        int roll=sc.nextInt();
        System.out.print("Name : ");
        String name=new Scanner(System.in).nextLine();
        System.out.print("Enter two marks");
        double mark1=sc.nextDouble();
        double mark2=sc.nextDouble();
        System.out.println("Roll: "+roll+"\nName: "+name);
        System.out.println("Marks: "+(mark1+mark2));
        System.out.printf("Marks: %.2f (Rounded)", (mark1+mark2));
    }
}
```

Output:

```
PS D:\OOPS-PCC-CS593\Day 2 (16.09.2020)> javac ScannerIn.java
PS D:\OOPS-PCC-CS593\Day 2 (16.09.2020)> java ScannerIn
Input Roll : 12
Name : Swapnanil Dutta
Enter two marks86
74
Roll: 12
Name: Swapnanil Dutta
Marks: 160.0
Marks: 160.00 (Rounded)
```

Question: Command Line Input

Code:

```
public class ArgumentInput {  
    public static void main(String[] args) {  
        int a=0,b=0,c=0,r=0;  
        String name= new String();  
        r = Integer.parseInt(args[0]);  
        name = args[1];  
        a = Integer.parseInt(args[2]);  
        b = Integer.parseInt(args[3]);  
        c = a + b;  
        System.out.println("Roll: " + r);  
        System.out.println("Name: " + name);  
        System.out.println("Sum=" + c);  
    }  
}
```

Output:

```
PS D:\OOPS-PCC-CS593\Day 2 (16.09.2020)> javac ArgumentInput.java  
PS D:\OOPS-PCC-CS593\Day 2 (16.09.2020)> java ArgumentInput 12 SwapnanilDutta 76 84  
Roll: 12  
Name: SwapnanilDutta  
Sum=160
```

Question: Console Input

Code:

```
import java.io.Console;

public class ConsoleInput {
    public static void main(String[] args) {
        Console reader = System.console();
        System.out.println("Enter name: ");
        String a = reader.readLine();
        System.out.println("Enter roll: ");
        int b = Integer.parseInt(reader.readLine());
        System.out.println("Enter Marks: ");
        double d1 = Double.parseDouble(reader.readLine());
        double d2 = Double.parseDouble(reader.readLine());
        System.out.println("Name= " + a);
        System.out.println("Roll= " + b);
        System.out.println("Total Marks= " + (d1+d2));
    }
}
```

Output:

```
PS D:\OOPS-PCC-CS593\Day 2 (16.09.2020)> javac ConsoleInput.java
PS D:\OOPS-PCC-CS593\Day 2 (16.09.2020)> java ConsoleInput
Enter name:
Swapnanil Dutta
Enter roll:
12
Enter Marks:
76
84
Name= Swapnanil Dutta
Roll= 12
Total Marks= 160.0
```

Question: Basic Input

Code:

```
public class BasicInput{
    public static void main(String[] args) throws Exception{
        char ch;
        String s="",name="",roll = "";
        double d1,d2;
        System.out.println("Enter your name: ");
        while ((ch=(char)System.in.read())!='\n'){
            name+=ch;
        }
        System.out.println("Enter your roll: ");
        while ((ch=(char)System.in.read())!='\n'){
            s+=ch;
        }
        roll=s;
        s="";
        System.out.println("Enter two marks: ");
        while ((ch=(char)System.in.read())!='\n'){
            s+=ch;
        }
        d1=Double.parseDouble(s);
        s="";
        while ((ch=(char)System.in.read())!='\n'){
            s+=ch;
        }
        d2=Double.parseDouble(s);
        System.out.println("Name : "+name);
        System.out.println("Roll : "+roll);
        System.out.println("Total Marks : "+(d1+d2));
    }
}
```

Output:

```
PS D:\OOPS-PCC-CS593\Day 2 (16.09.2020)> javac BasicInput.java
PS D:\OOPS-PCC-CS593\Day 2 (16.09.2020)> java BasicInput
Enter your name:
Swapnanil Dutta
Enter your roll:
12
Enter two marks:
87
75
Name : Swapnanil Dutta
Roll : 12
Total Marks : 162.0
```