

## Assignments Solution 2

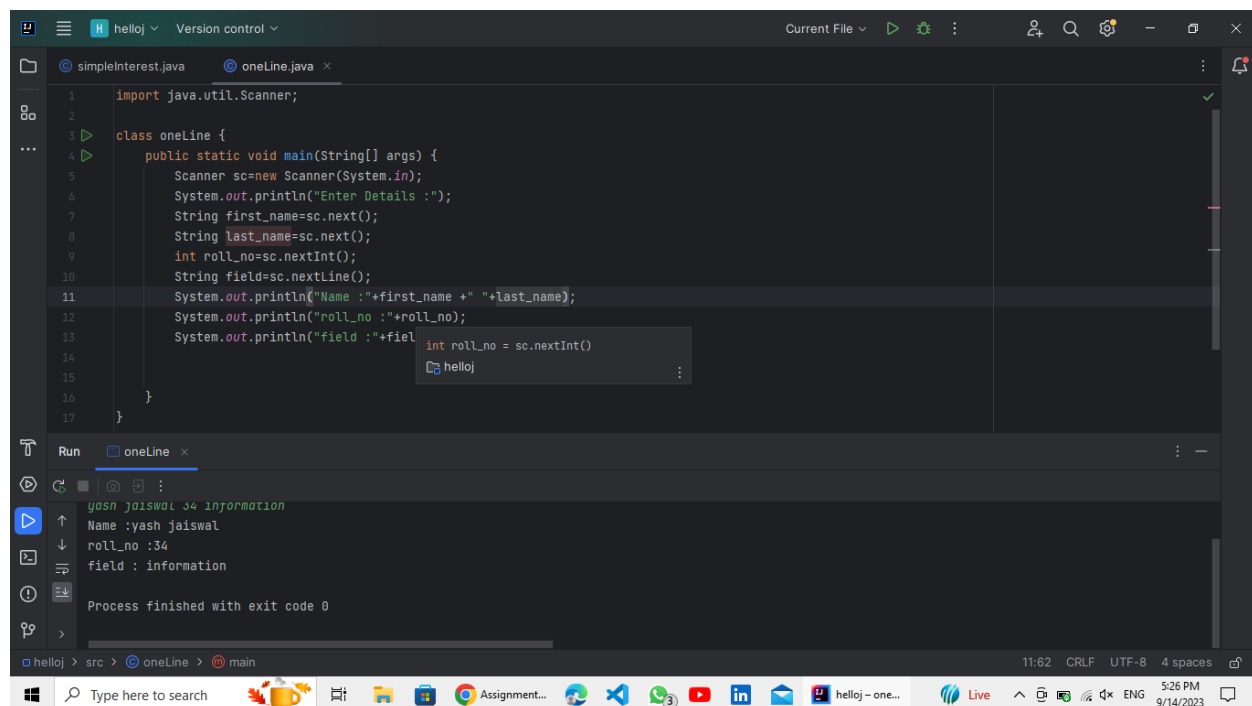
Q1 - Input name, roll number and field of interest from user and print in the format below :

Name: xyz, Roll number: xyz, Field of interest: xyz

Code-

```
import java.util.Scanner;

class oneLine {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter Details :");
        String first_name=sc.next();
        String last_name=sc.next();
        int roll_no=sc.nextInt();
        String field=sc.nextLine();
        System.out.println("Name :"+first_name + " "+last_name);
        System.out.println("roll_no :"+roll_no);
        System.out.println("field :"+field );
    }
}
```



The screenshot shows an IDE window with a file named 'oneLine.java'. The code is identical to the one provided in the previous block. Below the code editor, the 'Run' tab is active, showing the output of the program. The output is as follows:

```
yash jaiswal 34 information
Name :yash jaiswal
roll_no :34
field : information
Process finished with exit code 0
```

The IDE interface also shows a file explorer on the left with 'simpleInterest.java' and 'oneLine.java'. The bottom status bar indicates the file is 'helloj > src > oneLine > main' and the time is 11:62 on 9/14/2023.

Q2 - Input two different string and print them in same line.

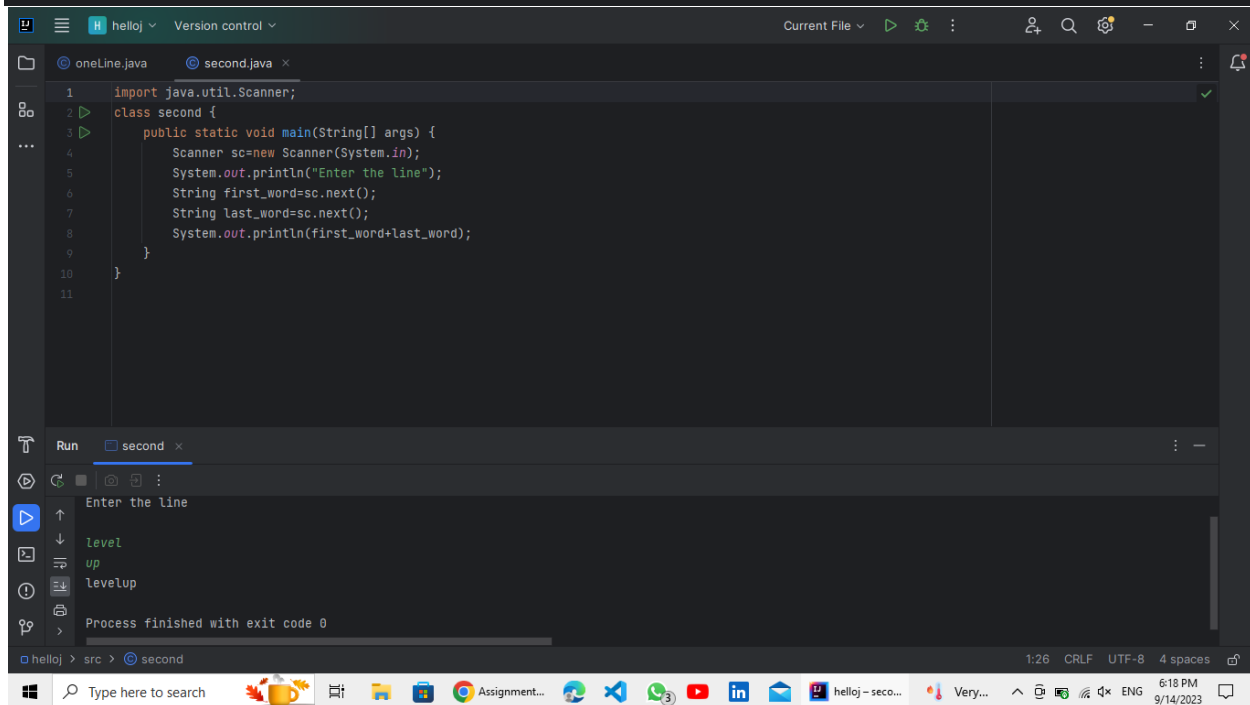
Code-

```
import java.util.Scanner;
```

```

class second {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the line");
        String first_word=sc.next();
        String last_word=sc.next();
        System.out.println(first_word+last_word);
    }
}

```



Q3 - If the marks of Robert in three subjects are entered through keyboard (each out of 100), write a program to calculate his total marks and percentage marks.

Code-

```

import java.util.Scanner;
class percentage {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter Marks :");
        int maths=sc.nextInt();
        System.out.println("Enter Marks :");
        int eng=sc.nextInt();
        System.out.println("Enter Marks :");
        int science=sc.nextInt();
        int total_marks=maths+eng+science;
        System.out.println("Total Marks :"+total_marks);
        int divide=(total_marks/3);
        System.out.println(divide +"%");
    }
}

```

```
1 import java.util.Scanner;
2 class percentage {
3     public static void main(String[] args) {
4         Scanner sc=new Scanner(System.in);
5         System.out.println("Enter Marks :");
6         int maths=sc.nextInt();
7         System.out.println("Enter Marks :");
8         int eng=sc.nextInt();
9         System.out.println("Enter Marks :");
10        int science=sc.nextInt();
11        int total_marks=maths+eng+science;
12        System.out.println("Total Marks :"+total_marks);
13        int divide=(total_marks/3);
14        System.out.println(divide +"%");
15    }
16 }
```

Run console output:

```
40
Enter Marks :
50
Enter Marks :
60
Total Marks :150
50%
```

Q4 - Given two numbers, return their sum in the following format:

Int t representing number of test cases

T lines of Two integers representing the numbers to be added

Code-

```
import java.util.Scanner;
class twoInput {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        int one=sc.nextInt();
        for(int i = 1; i <= one; i++) {
            int a = sc.nextInt();
            int b = sc.nextInt();
            System.out.println(a + b);
        }
    }
}
```

```
import java.util.Scanner;
class twoInput {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        int one=sc.nextInt();
        for(int i = 1; i <= one; i++) {
            int a = sc.nextInt();
            int b = sc.nextInt();
            System.out.println(a + b);
        }
    }
}
```

Run twoInput x

4 5  
9  
18 20  
38  
49 27  
76

Process finished with exit code 0

Q5 - Given few lines of input(number of lines unknown) where each line has two strings, concatenate the strings.

Code-

```
import java.util.Scanner;

class twoString {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        while(sc.hasNextLine()) {
            String a = sc.next();
            String b = sc.next();
            System.out.println(a+b);
        }
    }
}
```

