Java i/o - reading inputs in Java

Assignment Solutions

PW SKILLS

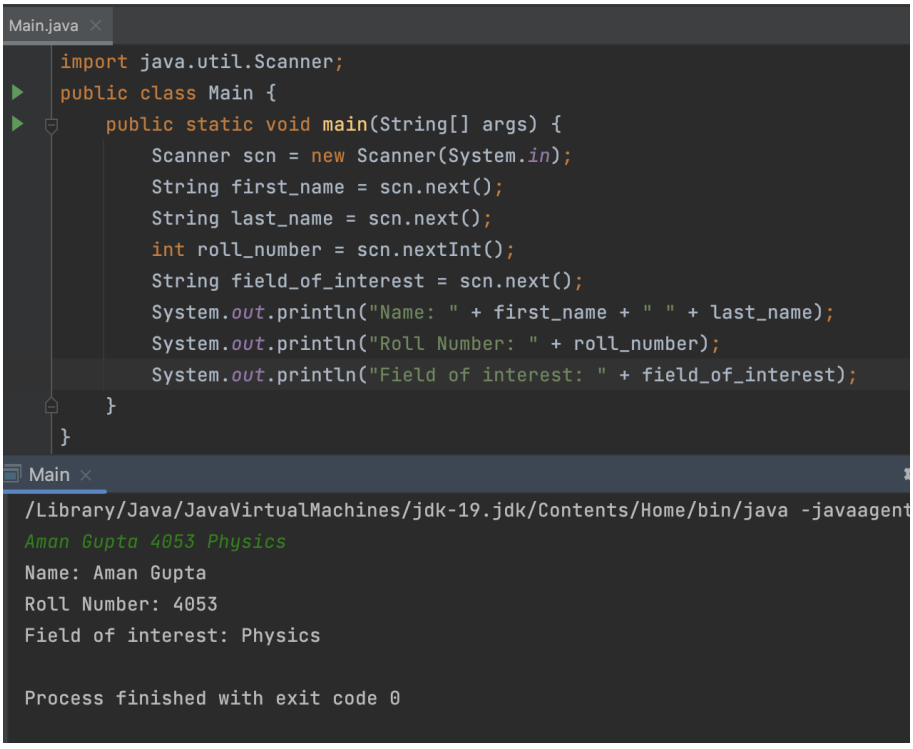
Q1 - Input name, roll number and field of interest from user and print in the format below :
Name: xyz, Roll number: xyz, Field of interest: xyz

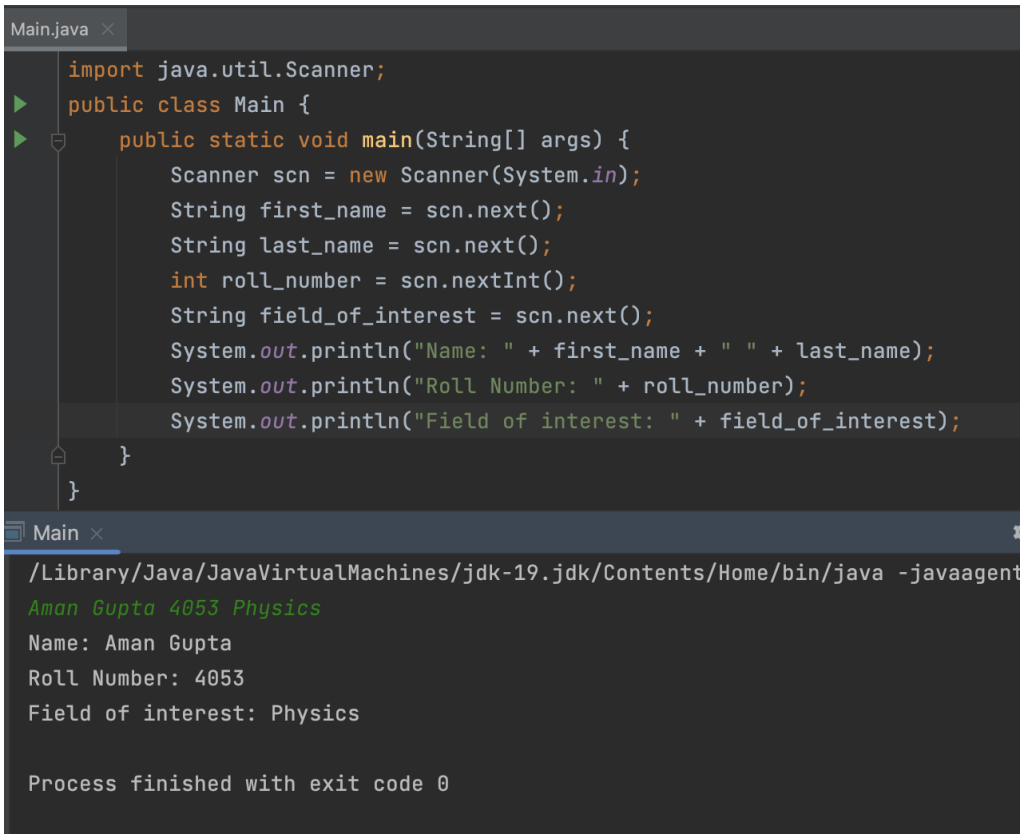
Input : Single line format
Aman Gupta 4053 Physics

Output :
Name: Aman Gupta
Roll Number: 4053
Field of interest: Physics

Code:

```
import java.util.Scanner;
public class Main {
   public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        String first_name = scn.next();
        String last_name = scn.next();
        int roll_number = scn.nextInt();
        String field_of_interest = scn.next();
        System.out.println("Name: " + first_name + " " + last_name);
        System.out.println("Roll Number: " + roll_number);
        System.out.println("Field of interest: " + field_of_interest);
   }
}
```





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

Input :

Level

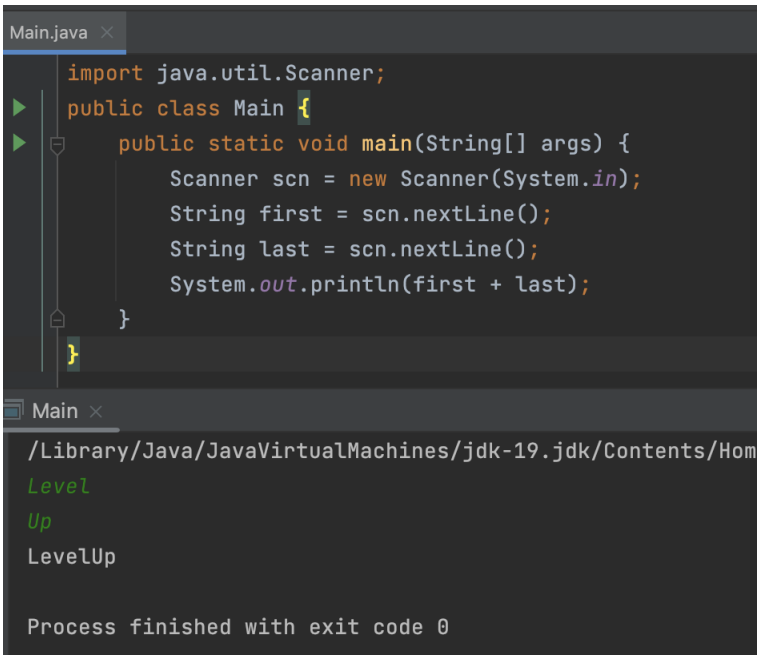
Up

Output :

LevelUp

Code:

```
import java.util.Scanner;
public class Main {
   public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        String first = scn.nextLine();
        String last = scn.nextLine();
        System.out.println(first + last);
   }
}
```



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.

Input :
78
89
95

Output : Total marks: 262
percentage marks: 87%

Code:

```
import java.util.Scanner;
public class Main {
   public static void main(String[] args) {
       Scanner scn = new Scanner(System.in);
       int mark1 = scn.nextInt();
       int mark2 = scn.nextInt();
       int mark3 = scn.nextInt();
       int total_marks = mark1 + mark2 + mark3;
       int percentage = (total_marks / 3);
       System.out.println(total_marks);
       System.out.println(percentage + "%");
   }
}
```

Main.java

```java
import java.util.Scanner;
public class Main {
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int mark1 = scn.nextInt();
        int mark2 = scn.nextInt();
        int mark3 = scn.nextInt();
        int total_marks = mark1 + mark2 + mark3;
        int percentage = (total_marks / 3);
        System.out.println(total_marks);
        System.out.println(percentage + "%");
    }
}
```

Main

```
/Library/Java/JavaVirtualMachines/jdk-19.jdk/Contents/Hom
78
89
95
262
87%

Process finished with exit code 0
```

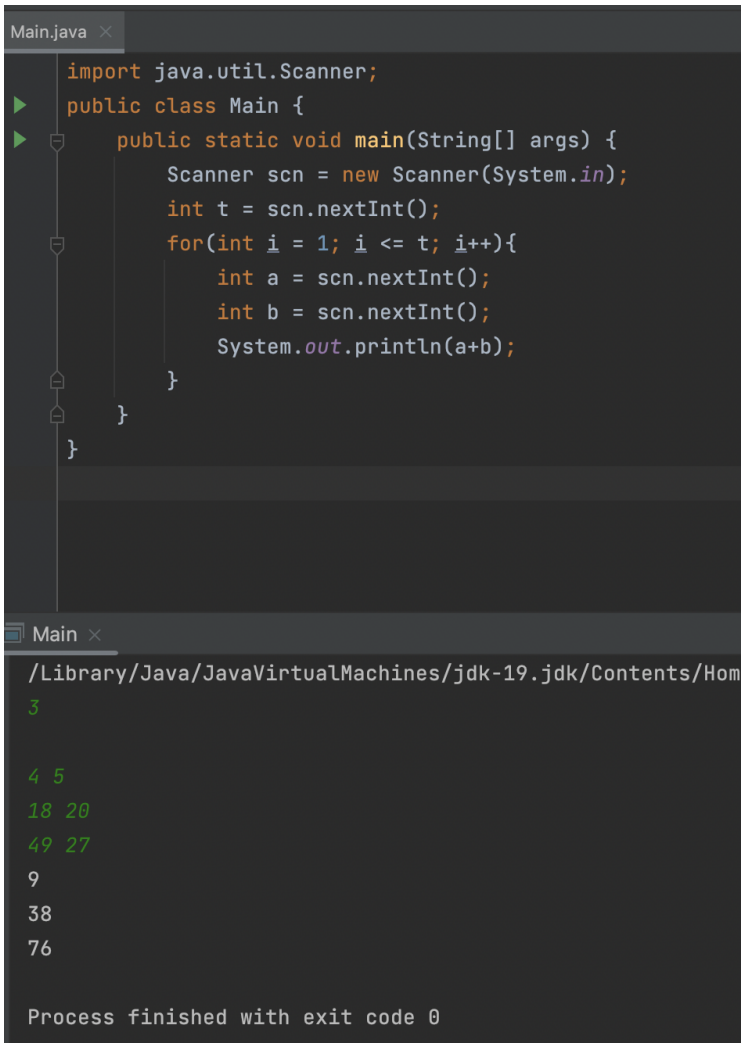
Q4 - Given two numbers, return their sum in the following format:
Int t representing number of test cases
T lines of Two integers representing the numbers to be added

Input :
3
4 5
18 20
49 27

Output :
9
38
76

Code:

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



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

Input :

Hello World
Happy Faces
Sunny Day
Good Morning

Output :

HelloWorld
HappyFaces
SunnyDay
GoodMorning

Code:

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