

Standard Template for Academic Tasks (22232)



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UID: 21706

Student Name: Mitesh Kumar

Academic Task Number: CA-1

Course code: CAP680

Course Title Programme: Programming in JAVA (Lab)

Maximum Marks: 50

Academic Task Type: Assignment

Reg.No_12205399

Roll No_A05

Section_D2214 Group __A

Date of Allotment: 13-Feb-2023

Last Date of submission: 16-Feb-2023

Set: Odd

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
1	<p>Deepak likes the number 239. Therefore, he considers a number pretty if its last digit is 2,3 or 9.</p> <p>Deepak wants to watch the numbers between L and R (both inclusive), so he asked you to determine how many pretty numbers are in this range. Can you help him?</p>	CO1	L6	50

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**CODE:**

```
import java.util.Scanner;

class Assignment2 {

    public static void main (String[] args) throws java.lang.Exception {

        Scanner sc = new Scanner(System.in);

        int t = sc.nextInt();

        for (int i =0;i<t ;i++ ){

            int l = sc.nextInt();

            int r = sc.nextInt();

            int count = 0;

            for(int j=l;j<=r;j++){

                if(j%10==2){

                    count++;

                }

                else if (j%10==3) {

                    count++;

                }

            }

        }

    }

}
```

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```
}  
else if(j%10==9){  
    count++;  
}  
  
}  
System.out.println(count);  
}  
}  
}
```

OUTPUT:

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The screenshot shows the IntelliJ IDEA IDE interface. The top menu bar includes File, Edit, View, Navigate, Code, Refactor, Build, Run, Tools, VCS, Window, and Help. The title bar indicates the active file is "Programs.java - Assignment2.java". The breadcrumb navigation shows the path: Programs.java > src > Assignment2 > main. The left sidebar displays the Project view with the following structure:

- Programs.java F:\Java Program
 - .idea
 - Hello.java
 - .idea
 - out
 - src
 - Hello.java.iml
 - Areaofcircle
 - AreaofRectangle

The main editor window shows the code for "Assignment2.java":

```

1  import java.util.Scanner;
2
3  class Assignment2 {
4      public static void main (String[] args) throws java.lang.Exception {
5          Scanner sc = new Scanner(System.in);
6          int t = sc.nextInt();
7          for (int i = 0; i < t; i++) {
8              int l = sc.nextInt();
9              int r = sc.nextInt();
10             int count = 0;
11             for (int j = l; j <= r; j++) {
12                 if (j % 10 == 2) {
13                     count++;

```

The Run window at the bottom shows the execution command and output:

```

Run: Assignment2 X
"C:\Program Files\Java\jdk-19\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.3.1\lib\idea_rt.jar=61591:C:\Program Files\JetBrains\I
2
10 50
12

```

The status bar at the bottom indicates "All files are up-to-date (moments ago)", "5:1 CRLF UTF-8 4 spaces", and the system clock shows "9:51 AM 2/15/2023".