

Standard Template for Academic Tasks (22232)



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UID: 21706

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Academic Task Number: CA-1

Course code: CAP680

Course Title Programme: Programming in JAVA (Lab)

Maximum Marks: 50

Academic Task Type: Assignment 1

Reg.No__12205399

Roll No__RD2214A05

Section__D2214 Group _1

Date of Allotment: 9-Feb-2023

Last Date of submission: 13-Feb-2023

Set: Odd

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
1	<p>Rahul wants to become fit for which he decided to walk to the office and return home by walking. It is known that Rahul's office is X km away from his home.</p> <p>If his office is open on 5 days in a week, find the number of kilometres Rahul travels through office trips in a week</p>	CO1	L6	50

Standard Template for Academic Tasks (22232)**CODE:**

```
import java.util.Scanner;
public class Assignment1 {

    public static void main(String[] args) {

        System.out.println("Enter distance of office");
        Scanner sc = new Scanner(System.in);
        int distanceToOffice;
        distanceToOffice=sc.nextInt();
        int daysInAWeek = 5;
        int totalDistance = distanceToOffice * 2 * daysInAWeek;
        System.out.println("Total distance travelled by Rahul in a week is: " + totalDistance + " km");
    }
}
```

Output:

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A screenshot of 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 shows "Programs.java - Assignment1.java". The left sidebar displays the Project view with a tree structure: Programs.java (F:\Java Programs\Pr), .idea, Hello.java, .idea, out, src, Hello.java.iml, out, and src. The src folder is expanded, showing Areaofcircle, AreaofRectangle, and Assignment. The main editor window shows the code for Assignment1.java. The code is as follows:

```
1 import java.util.Scanner;
2 public class Assignment1 {
3
4     public static void main(String[] args) {
5
6         System.out.println("Enter distance of office");
7         Scanner sc = new Scanner(System.in);
8         int distanceToOffice;
9         distanceToOffice=sc.nextInt();
10        int daysInAWeek = 5;
11        int totalDistance = distanceToOffice * 2 * daysInAWeek;
12        System.out.println("Total distance travelled by Rahul in a week is: " + totalDistance + " km");
13    }
14 }
```

The Run window at the bottom shows the execution output for Assignment1. The output is as follows:

```
"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=61234:C:\Program Files\JetBrains\I
Enter distance of office
10
Total distance travelled by Rahul in a week is: 100 km
Process finished with exit code 0
```

The status bar at the bottom shows "All files are up-to-date (a minute ago)", "7:1 CRLF UTF-8 4 spaces", and the system tray with a weather icon (10°C Haze), a signal icon (79), and the date and time (9:03 PM 2/12/2023).