

Standard Template for Academic Tasks (22232)



Faculty Name and UID: Girish Kumar

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 3

Reg.No__12205399

Roll No__RD2214A05

Section__D2214 Group _1

Date of Allotment: 20-Feb-2023

Last Date of submission: 24-Feb-2023

Set: Odd

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
1	<p>A doctor is giving advice to patient about how to maintain our body which type of food we should take. For that doctor asks for the number of calories and fat grams in a food. Then it display the percentage of calories that come from fat. If the calories from fat are less then 30% of the total calories of the food, it should also display a message indicating that the food is low in fat.</p> <p>Note: consider one gram of fat has 9 calories</p>	CO1	L6	50

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CODE:

```
import java.util.Scanner;

public class MyProgram {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter the number of calories in the food: ");
        int calories = scanner.nextInt();
        System.out.print("Enter the number of fat grams in the food: ");
        int fatGrams = scanner.nextInt();
        int fatCalories = fatGrams * 9;
        int totalCalories = calories;
        double fatPercentage = ((double) fatCalories / totalCalories) * 100;
        System.out.println("Percentage of calories from fat: " + fatPercentage + "%");
        if (fatPercentage < 30) {
            System.out.println("This food is low in fat.");
        }
    }
}
```

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Output:

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codehs.com/student/4086892/section/393659/assignment/96846341/?filepath=MyProgram.java

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My Section Practice + Resume Mitesh Kumar

For Odd Roll Submit + Continue Save

MyProgram.java

```
1 import java.util.Scanner;
2
3 public class MyProgram {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6
7         System.out.print("Enter the number of calories in the food: ");
8         int calories = scanner.nextInt();
9
10        System.out.print("Enter the number of fat grams in the food: ");
11        int fatGrams = scanner.nextInt();
12
13        int fatCalories = fatGrams * 9;
14        int totalCalories = calories;
15
16        double fatPercentage = ((double) fatCalories / totalCalories) * 100;
17
18        System.out.println("Percentage of calories from fat: " + fatPercentage);
19
20        if (fatPercentage < 30) {
21            System.out.println("This food is low in fat.");
22        }
23    }
24 }
```

Run Stop

Enter the number of calories in the food: 10
Enter the number of fat grams in the food: 20
Percentage of calories from fat: 1800.0%

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