

3.3. WAP to compute the BMI Index of the person and print the BMI values as per the following ranges. You can use the following formula to compute $BMI = \text{weight(kgs)}/\text{Height(Mts)} * \text{Height(Mts)}$.

```
#include <stdio.h>

int main() {
    float weight, height, bmi;

    printf("Enter your weight (in kg): ");
    scanf("%f", &weight);

    printf("Enter your height (in meters): ");
    scanf("%f", &height);

    bmi = weight / (height * height);

    printf("Your BMI is: %.2f\n", bmi);

    if (bmi < 15) {
        printf("Category: Starvation\n");
    }
    else if (bmi >= 15.1 && bmi <= 17.5) {
        printf("Category: Anorexic\n");
    }
    else if (bmi >= 17.6 && bmi <= 18.5) {
        printf("Category: Underweight\n");
    }
    else if (bmi >= 18.6 && bmi <= 24.9) {
        printf("Category: Ideal\n");
    }
    else if (bmi >= 25 && bmi <= 25.9) {
        printf("Category: Overweight\n");
    }
    else if (bmi >= 30 && bmi <= 39.9) {
        printf("Category: Obese\n");
    }
    else if (bmi >= 40) {
        printf("Category: Morbidly Obese\n");
    }
    else {
        printf("Category: Not defined in table.\n");
    }

    return 0;
}
```

