

**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= weight(kgs)/Height(Mts)\*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;
```

```
}
```

