```c
#include <stdio.h>

int main()
{
    float weight = 0.0;
    float height = 0.0;
    float bmi= 0.0;

    printf("please enter your weight in kilograms:");
    scanf("%f", &weight);
    printf("please enter your height in centimeters:");
    scanf("%f", &height);

    bmi= weight * 10000 / (height * height);

    if (bmi<= 18.5)
        printf("\nYour bmi is %f: Underweight.\n", bmi);
    else if (bmi < 24.9 & bmi > 18.5 )
        printf("\nYour bmi is %f:Normal weight", bmi);
    else if (bmi > 25 & bmi < 29.9)
        printf("\nYour bmi is %f: overweight", bmi);
    else
        printf("\nYour bmi is %f:obese", bmi );

    return 0;
}
```