2. 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;
  float BMI;
  printf("Enter the weight in Kgs");
  scanf("%f", &weight);
  printf("Enter the height in mts");
  scanf("%f", &height);
  BMI = (weight/(height*height));
  printf("The BMI is: %f", BMI);
{
  if (BMI<15)
  {
    printf("\n Starvation");
  }
  else if (BMI >= 15.1 && BMI <= 17.5)
  {
    printf("\n Anorexic");
  }
  else if (BMI >= 17.6 && BMI <= 18.5)
  {
    printf("\n Underweight");
  }
  else if (BMI >= 18.6 && BMI <= 24.9)
  {
    printf("\n Ideal");
  }
```

```
else if (BMI >= 25 && BMI <= 25.9)
{
  printf ("\n Overweight");
}
else if (BMI >= 30 && BMI <= 39.9)
{
  printf ("\n Obese");
}
else if (BMI >= 40)
{
  printf ("\n Morbidity Obese");
  }
}
}
```

C exp3bmi.c > main()

```c

#include <stdio.h>

int main() {
    float weight,height;
    float BMI;
    printf("Enter the weight in kgs ");
    scanf("%f",&weight);
    printf("Enter the height in mts ");
    scanf("%f",&height);
    BMI=(weight/(height*height));
    printf("The BMI is: %f",BMI);
    {
    if (BMI<15)
    {
        printf("\nStarvation");
    }
    else if(BMI>=15.1 && BMI<=17.5)
    {
        printf("\nAnorexic");
    }
    else if(BMI>=17.6 && BMI<=18.5)
    {
        printf("\nUnderweight");
    }
   else if(BMI>=18.6 && BMI<=24.9)
    {
        printf("\nIdeal");
    }
    else if(BMI>=25 && BMI<=25.9)
    {
        printf("\nOverweight");
    }
```

```
    else if(BMI>=30 && BMI<=39.9)
     {
         printf("\nObese");
     }
     else if(BMI>=40)
     {
         printf("\nMorbidity Obese");
     }
}
}
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE PORTS

```
> cd "c:\Users\abiga\OneDrive\Desktop\Absproj\" ; if ($?) { gcc exp3bmi.c -o exp3bmi
 } ; if ($?) { .\exp3bmi }
Enter the weight in kgs 62
Enter the height in mts 1.6
The BMI is: 24.218750
Ideal
PS C:\Users\abiga\OneDrive\Desktop\Absproj>
```

OneDrive - Personal
Online

Ln 39, Col 6 Spaces: 4 UT