

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 $BMI = \frac{\text{weight (Kgs)}}{\text{Height (m)} \times \text{Height (m)}}$.

```
#include <stdio.h>
int main() {
    float weight, height;
    float BMI;
    printf ("Enter the weight in Kgs ");
    scanf ("%f", &weight);
    printf ("Enter the height in m ");
    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()

```
1
2 #include <stdio.h>
3
4 int main() {
5     float weight,height;
6     float BMI;
7     printf("Enter the weight in kgs ");
8     scanf("%f",&weight);
9     printf("Enter the height in mts ");
10    scanf("%f",&height);
11    BMI=(weight/(height*height));
12    printf("The BMI is: %f",BMI);
13    {
14        if (BMI<15)
15        {
16            printf("\nStarvation");
17        }
18        else if(BMI>=15.1 && BMI<=17.5)
19        {
20            printf("\nAnorexic");
21        }
22        else if(BMI>=17.6 && BMI<=18.5)
23        {
24            printf("\nUnderweight");
25        }
26        else if(BMI>=18.6 && BMI<=24.9)
27        {
28            printf("\nIdeal");
29        }
30        else if(BMI>=25 && BMI<=25.9)
31        {
32            printf("\nOverweight");
33        }
34    }
35 }
```

```
34     else if(BMI>=30 && BMI<=39.9)
35     {
36         printf("\nObese");
37     }
38     else if(BMI>=40)
39     {
40         printf("\nMorbidity Obese");
41     }
42 }
43 }
```

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>
```

In 39 Col 6 Spaces: 4 UTC: 2023-07-27 08:58:27 8 Finish Setup

OneDrive - Personal
Online