UNİT CONVENTER

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Structures of
“Unit Conventer” program:

-Library(header)

-Data type(float)

-Functions
(Printf -to display the value of an integer variable)
(Scanf)-for reading data with specified format from a given string stream source.

Variables

```c
//Unit Converter (temp, currency, volume, mass)

#include<stdio.h>
#include<conio.h>

int main()
{

    float liras;
    float dollars=0.17;
    float pounds=0.13;
    float temp;
    float volume;
    float km;
    float m;
    float feet;
    float inch;
    float cm;
    float weight = 0.0; //in pounds
    float height = 0.0; //in inches
    float BMI = 0.0;


    printf("Enter liras:\n");
    scanf("%f",&liras);

```

Compile Log | Debug | Find Results | Close

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ASUS\Desktop\Unit Conventer.exe
- Output Size: 129.2705078125 KiB
- Compilation Time: 7.86s
```

Here I used “printf” for displaying the value of an integer variable.My integer value are currency,temperature,mass and volume.

Unit Conventer.c

```
23
24      printf("Enter liras:\n");
25      scanf("%f",&liras);
26
27      printf("Dollars: %.2f\n",liras*dollars);
28      printf("Pounds: %.2f\n",liras*pounds);
29
30      printf("Input temperature in degree celcius:\n");
31      scanf("%f",&temp);
32      printf("Equivalent temperature in degree fahrenheit is %f:\n\n",temp*1.8+32);
33
34      printf("Enter distance in kilometers:\n");
35      scanf("%f",&km);
36
37      /*calculate the conversion*/
38
39      m = km * 1000;        //since 1km=100m
40      feet = km * 3280.84; //since 1km=3280.84feet
41      inch = km * 39370.1; //since 1km=39379.1 Inches
42      cm = km * 100000;     //since 1km=100000 Cm
43
44      printf("\n Distance in kilometers=%f",km);
45      printf("\n Distance in meters=%f",m);
46      printf("\n Distance in feet=%f",feet);
47      printf("\n Distance in inches=%f\n",inch);
48
```

es | Compile Log | Debug | Find Results | Close

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I want user to calculate their own BMI.I used if-else statement defining user's BMI.

Unit Conventer.c

```
49      printf("Please enter your weight in pounds:\n");
50      scanf("%f",&weight);
51
52      printf("Please enter your height in inches:\n");
53      scanf("%f",&height);
54
55      BMI = weight*703/(height * height);
56
57      if(BMI <= 19.6)
58
59        printf("\nYour BMI is %f: Underweight.\n",BMI);
60
61      else  if(BMI <=24.9)
62
63        printf("\nYour BMI is %f: Normal.\n",BMI);
64
65      else if(BMI <=29.9)
66
67        printf("\nYour BMI is %f: Overweight.\n",BMI);
68
69      else
70
71        printf("\nYour BMI is %f: Obese.\n", BMI);
72
73      return 0;
74  }//end main
```

Compile Log | Debug | Find Results | Close

```
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-------
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```

Then I runned the code I wrote and this is the compiled version.We can see calculated and converted currency,temperature,volume and mass.