

LAB TASK-2

NAME: Ahmad Ikhlaq

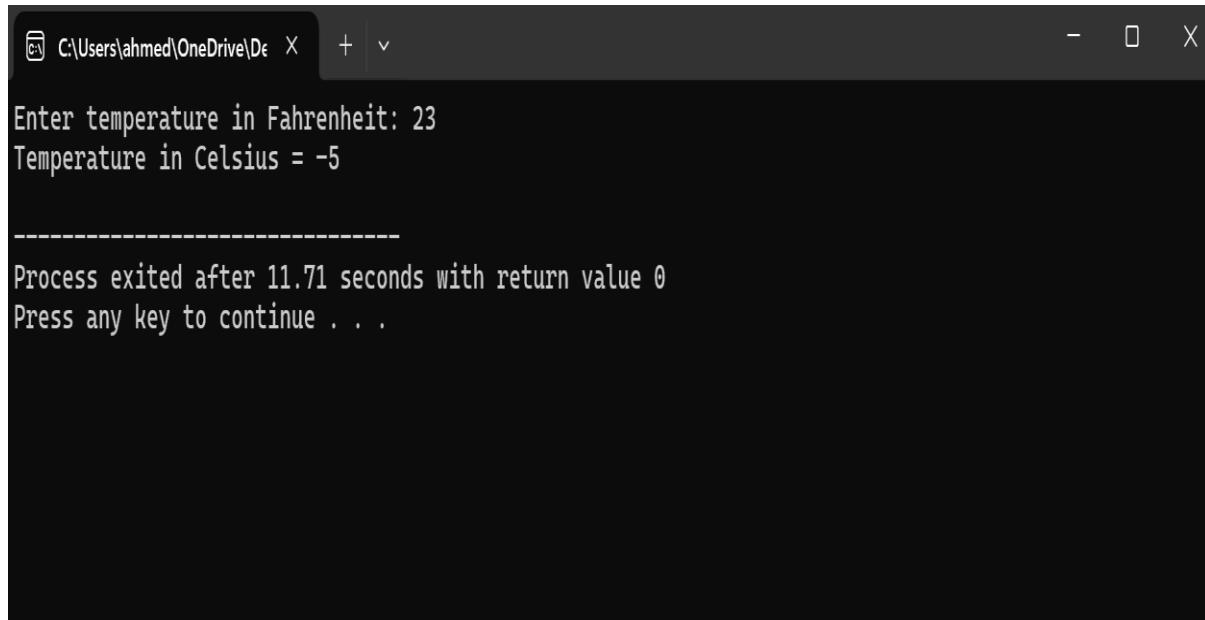
SAP-ID: 72581

Q.No#05:

Code:

```
#include <iostream>
using namespace std;
int main()
{
    float fahrenheit, celsius;
    cout << "Enter temperature in Fahrenheit: ";
    cin >> fahrenheit;
    celsius = (5.0 / 9.0) * (fahrenheit - 32);
    cout << "Temperature in Celsius = " << celsius << endl;
    return 0;
}
```

Output:



The screenshot shows a terminal window with a dark background. At the top, there is a title bar with the path 'C:\Users\ahmed\OneDrive\De' and icons for minimize, maximize, and close. The main area of the terminal displays the following text:

```
Enter temperature in Fahrenheit: 23
Temperature in Celsius = -5

-----
Process exited after 11.71 seconds with return value 0
Press any key to continue . . .
```

Q.No#06:

Code:

```
#include <iostream>

using namespace std;

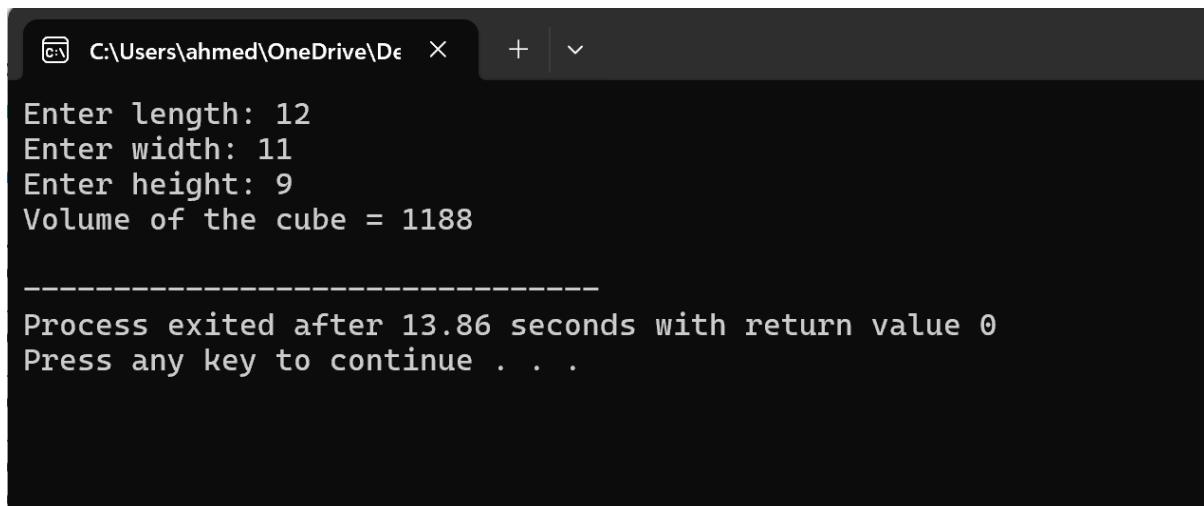
int main()

{

float length, width, height, volume;
cout << "Enter length: ";
cin >> length;
cout << "Enter width: ";
cin >> width;
cout << "Enter height: ";
cin >> height;
volume = length * width * height;
cout << "Volume of the cube = " << volume << endl;
return 0;

}
```

OUTPUT:



The screenshot shows a terminal window with a dark background and light-colored text. At the top, it displays the path 'C:\Users\ahmed\OneDrive\De' followed by a file icon, a '+' sign, and a downward arrow. The main area of the terminal shows the following interaction:

```
Enter length: 12
Enter width: 11
Enter height: 9
Volume of the cube = 1188
-----
Process exited after 13.86 seconds with return value 0
Press any key to continue . . .
```

Q.No#07:

Code:

```
#include <iostream>

using namespace std;

int main()

{

    float sub1, sub2, sub3, sub4, sub5, total, percentage;

    cout << "Enter marks of 5 subjects: ";

    cin >> sub1 >> sub2 >> sub3 >> sub4 >> sub5;

    total = sub1 + sub2 + sub3 + sub4 + sub5;

    percentage = (total / 500) * 100; // assuming each subject is out of 100

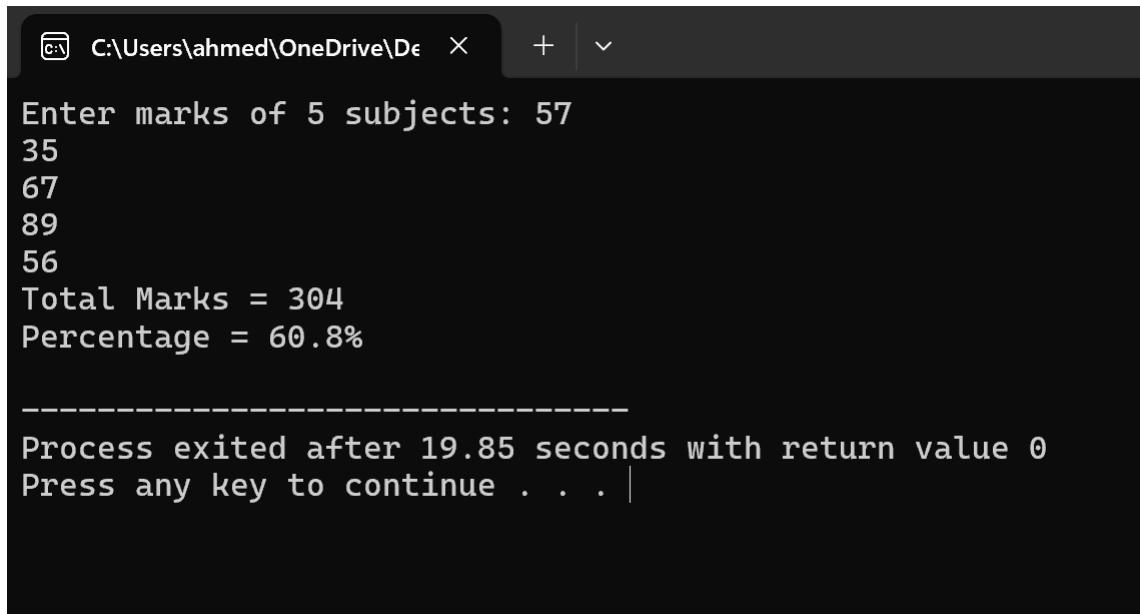
    cout << "Total Marks = " << total << endl;

    cout << "Percentage = " << percentage << "%" << endl;

    return 0;

}
```

OUTPUT:



The screenshot shows a terminal window with a dark background. At the top, it displays the path 'C:\Users\ahmed\OneDrive\De' followed by a file icon, a close button, and some other icons. Below the path, the text 'Enter marks of 5 subjects: 57' is displayed. The user then enters five integers: 35, 67, 89, 56, and 56. After the input, the program outputs 'Total Marks = 304' and 'Percentage = 60.8%'. A horizontal dashed line follows this output. At the bottom of the window, a message indicates the process exited after 19.85 seconds with a return value of 0, and it prompts the user to press any key to continue.

```
C:\Users\ahmed\OneDrive\De X + | v

Enter marks of 5 subjects: 57
35
67
89
56
56
Total Marks = 304
Percentage = 60.8%

-----
Process exited after 19.85 seconds with return value 0
Press any key to continue . . . |
```