

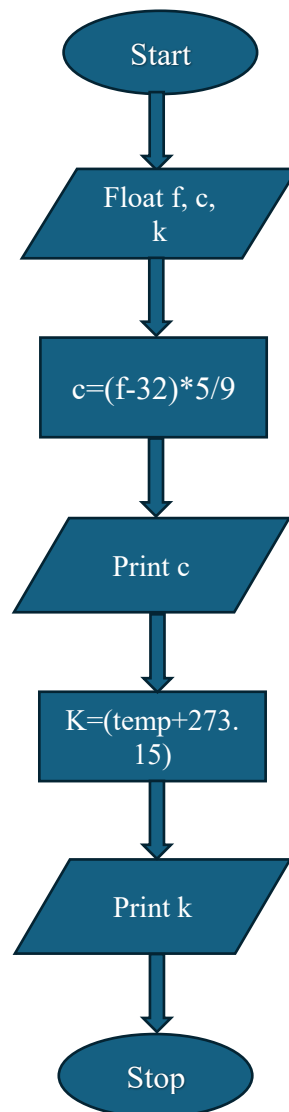
PROGRAMMING & LOGIC DESIGN

Example1:

Title of the program:

Write a C program to convert the temperature reading the Farenheit scale to Celsius & Kelvin scale. Write the Flowchart of the program.

Flowchart:



Source Code:

```
#include <stdio.h>
int main(){
    float f,c,k;
    printf("Enter temperature in Fahrenheit: ");
    scanf("%f", &f);
    c=(f-32)*5/9;
    printf("Temperature in Celsius: %f\n", c);
    k=(c+273.15);
    printf("Temperature in Kelvin: %f\n", k);
    return 0; }
```

Output:

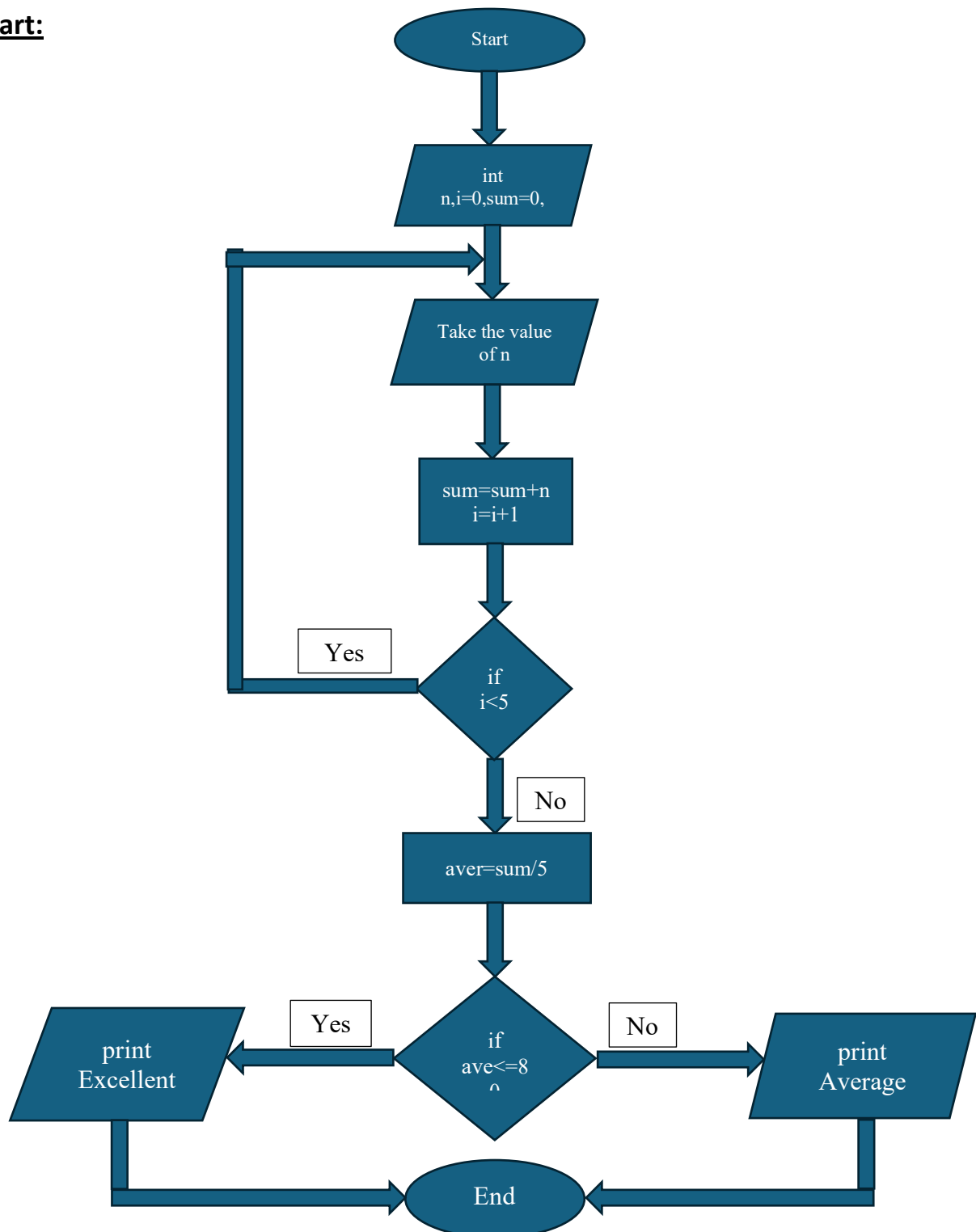
Enter temperature in Fahrenheit: 50

Temperature in Celsius: 10.000000

Temperature in Kelvin: 283.149994

Example2:**Title of the program:**

A student has secured marks in 5 subjects (out of 100) write a c program to compute the aggregate if the marks is greater than or equal to 80% then print "Excellent"

Flowchart:

Source Code:

```
#include<stdio.h>
int main()
{
    int n, i=0, sum=0, ave;
    for(i=0; i<5; i++)
    {
        printf("Enter the marks in your subjects (out of 100): ");
        scanf("%d", &n);
        sum = sum + n;
    }
    ave = sum/5;
    if (ave>=80)
    {
        printf("Excellent");
    }
    else
    {
        printf("Average");
    }
    return 0;
}
```

Output:

Enter the marks in your subjects (out of 100): 60
Enter the marks in your subjects (out of 100): 70
Enter the marks in your subjects (out of 100): 80
Enter the marks in your subjects (out of 100): 90
Enter the marks in your subjects (out of 100): 40
Average
