1. **Write a program to convert the temperature reading in Fahrenheit scale to celsius and Kelvin scale. Write the flowchart of the program.**

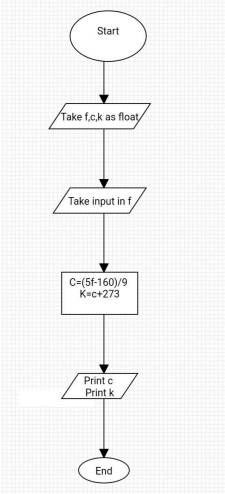
= # include <stdio.h>

```
int main()
 {
   float f,temp,k;
   printf("enter the temperature in fahrenheit");
   scanf("%f",&f);
   temp=(f-32)*5/9;
   printf("The temperature in celsius scale %f\n",temp);
   k=(temp+273);
   printf("The temperature in kelvin scale %f\n",k);
   return 0;
   }
```

Output:-

enter the temperature in fahrenheit 130
The temperature in celsius scale 54.444443
The temperature in kelvin scale 327.444458

Flowchart:-



2. **A student has secured marks in 5 subjects (out of 100).write a program to compute the aggregate and if the marks in greater than or equal 80% then print “Excellent” else print “Avarage”.write a flow chart of the program.**

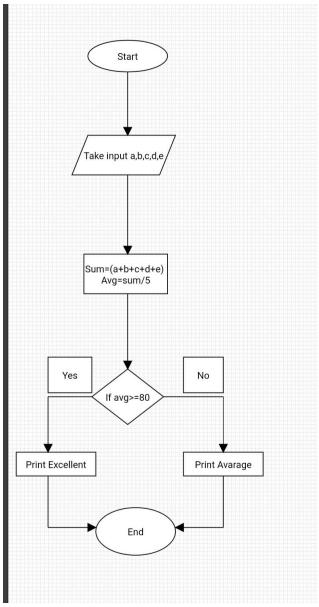
= #include <stdio.h>

```
int main()
{
   int a,b,c,d,e,avg=0,sum=0;
   printf("Enter the first number");
   scanf("%d",&a);
   printf("Enter the second number");
   scanf("%d",&b);
   printf("Enter the third number");
   scanf("%d",&c);
   printf("Enter the fourth number");
   scanf("%d",&d);
   printf("Enter the fifth number");
   scanf("%d",&e);
   sum=(a+b+c+d+e);
   printf("The sum is %d",sum);
   avg=sum/5;
   printf("The avg is %d",avg);
   if(avg>=80)
   {
   printf("Excellent");
   }
   else
   {
   printf("Average");
   }
   return 0 ;
}
```

Output:-

```
Enter the first number 76
Enter the second number87
Enter the third number99
Enter the fourth number67
Enter the fifth number80
The sum is 409The avg is 81
Excellent.
```

Flowchart:-


Start
Take input a,b,c,d,e
Sum=(a+b+c+d+e)
Avg=sum/5
Yes
If avg>=80
No
Print Excellent
Print Avarage
End