**Source code:**

#include <stdio.h>

#include <stdlib.h>

#include <time.h>//

// Generates and prints 'count' random

// numbers in range [lower, upper].

void printRandoms(int lower, int upper, int count)//randoms function definition

{

int i,j,time=10;

static int Celsius;

static int Fahrenheit;

for(j=0;j<time;j++)

{

for (i = 0; i < count; i++)

{

int num1 = (rand()%(upper - lower + 1)) + lower;//to get random number

int num=num1/5.0; //resaulation

Celsius=((num \* 5.0 / 1024) \* 100);//converting resulation to celsius formula

Fahrenheit=((Celsius \* 1.8 )+ 32); //converting celsius to fahrenheit formula

}

printf("Celsius :%d°C Fahrenheit:%d °F\n",Celsius,Fahrenheit);

}

}

int main()

{

int lower,upper,count = 1;

printf("enter lower range ADC value\n");

scanf("%d",&lower);

printf("enter upper range ADC value\n");

scanf("%d",&upper);

srand(time(0)); //current time as seed of random number generator

printRandoms(lower, upper, count);// function calling

return 0;

}