PATUAKHALI SCIENCE AND TECHNOLOGY UNIVERSITY

Course Code: CIT-112

SUBMITTED TO:

MD Mahbubur Rahman Sir

Department of Computer Science And Communication Engineering

Faculty of Computer Science And Engineering

SUBMITTED BY:

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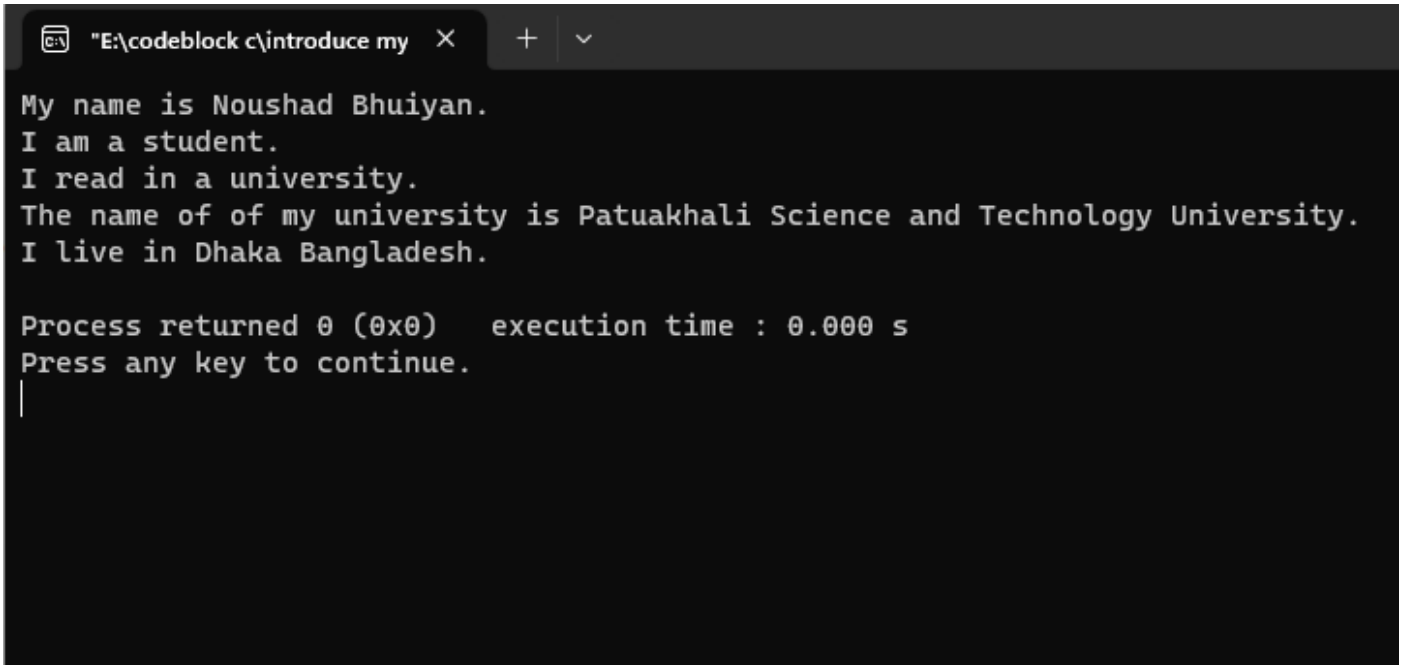
ID: 20210238, Registration No: 10165

Faculty of Computer Science and Engineering

Date of submission: 8-3-2023

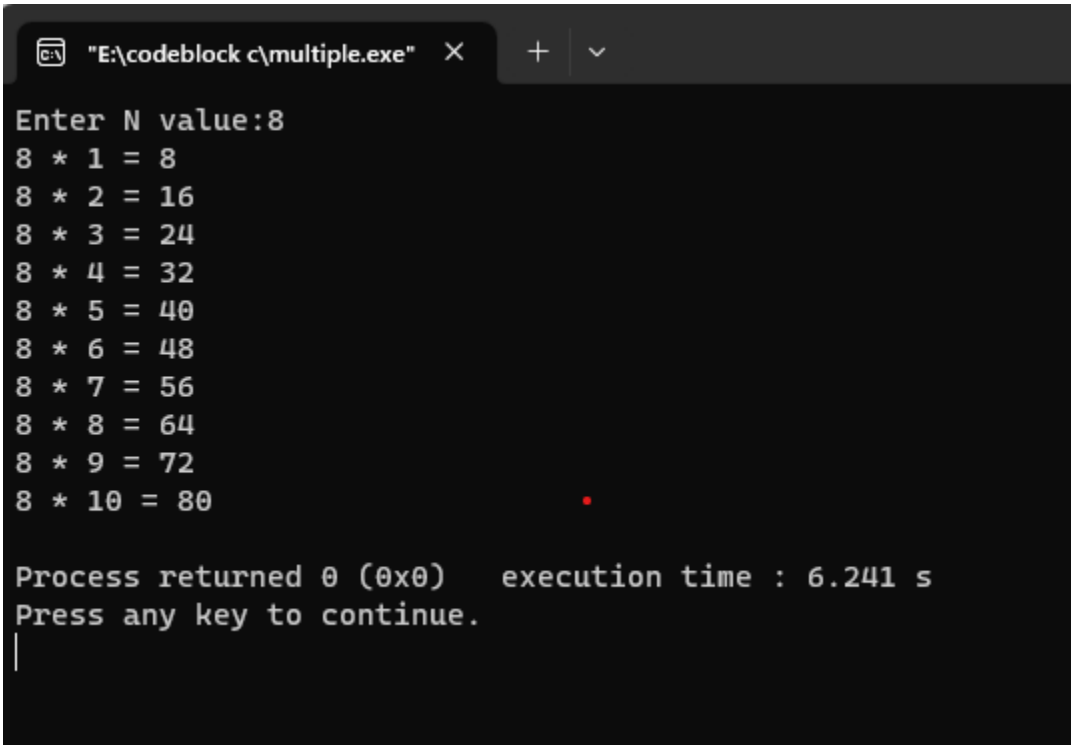
1.My introduction

```
#include<stdio.h>
int main()
{
   printf("My name is Noushad Bhuiyan.\n");
   printf("I am a student.\n");
   printf("I read in a university.\n");
   printf("The name of of my university is Patuakhali Science and Technology University.\n");
   printf("I live in Dhaka Bangladesh.\n");

   return 0;
}
```



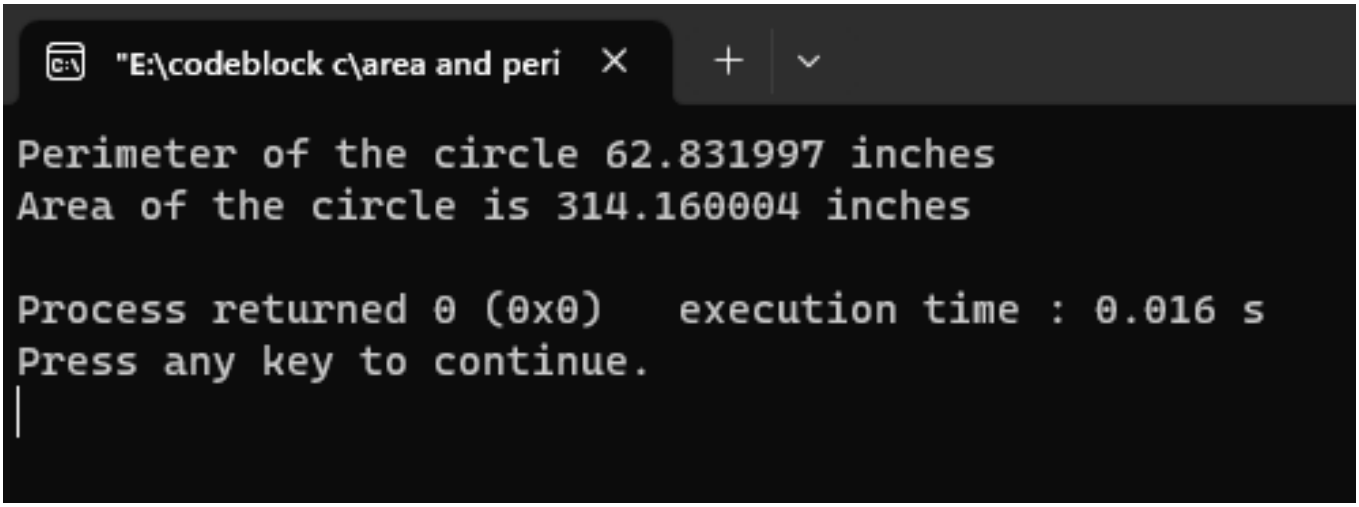
2.Numeracy of guna

```
#include<stdio.h>

int main(){

int a,n;

printf("Enter N value:");

scanf("%d",&n);

for(a=1;a<=10;a++){


   printf("%d * %d = %d",n,a,a*n);

   printf("\n");

}

return 0;

}
```



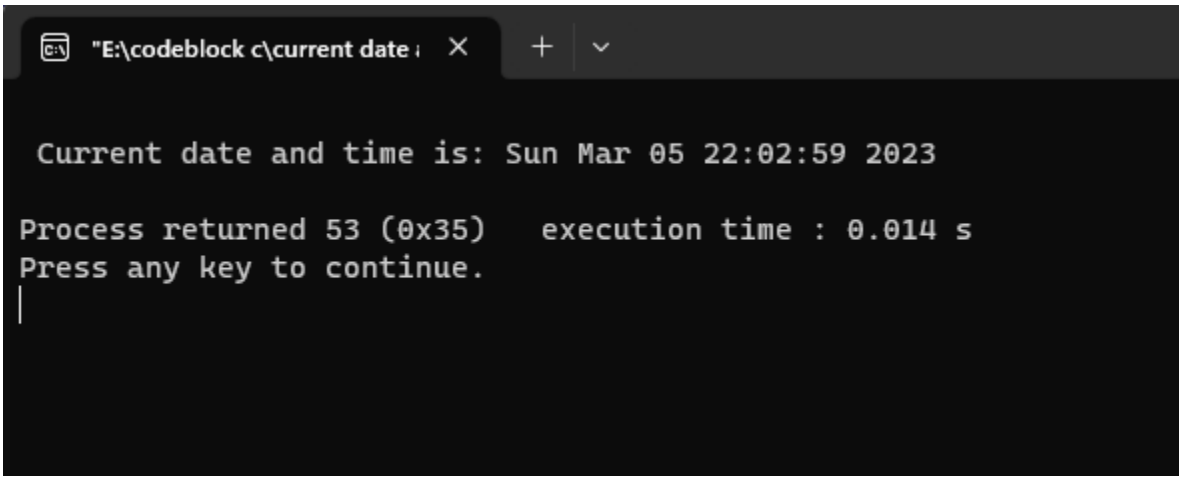
3.Perimeter and Area of a circle

```
#include<stdio.h>
int main()
{
   //area and perimeter of a circle
   float r,area,perimeter,pai;
   pai=3.1416;
   r=10;
   perimeter= 2*pai*r;
   area=pai*r*r;
   printf("Perimeter of the circle %f inches\n",perimeter);
   printf("Area of the circle is %f inches\n",area);
   return 0;


}
```



4.Current Date and time

```
#include<stdio.h>
#include<time.h>
void main()
{
   time_t t = time(NULL);
   printf("\n Current date and time is: %s",ctime(&t));

}
```

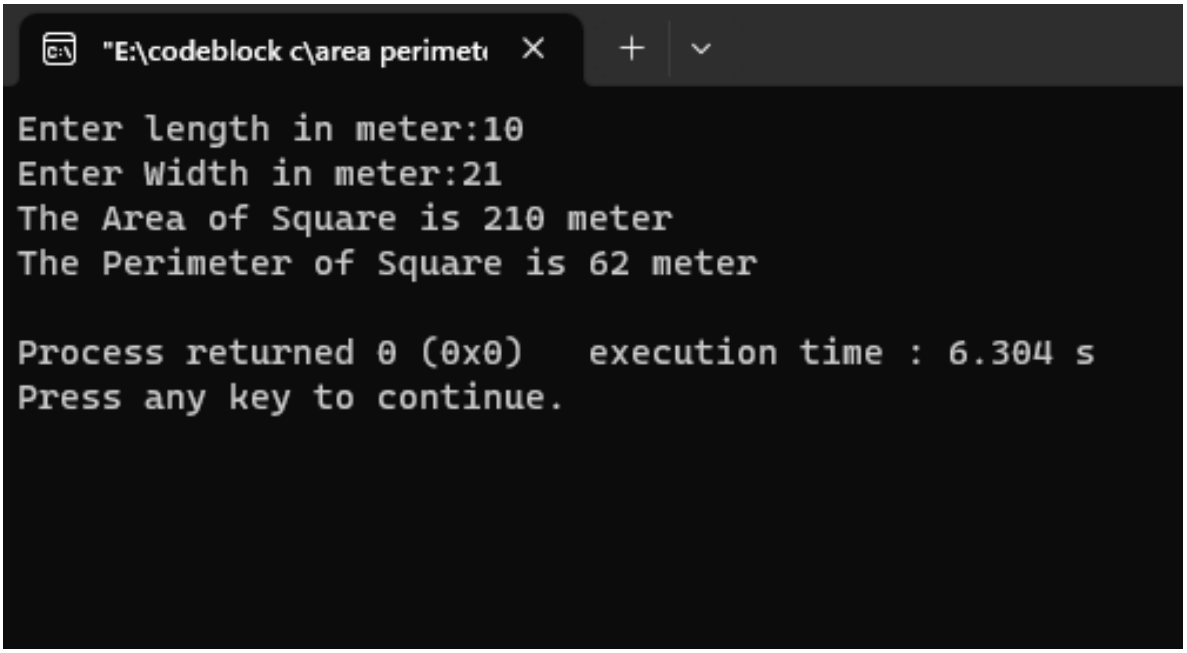


5.FC

```
#include<stdio.h>
int main ()
{
   //type FC in # icon
   printf("######\n");
   printf("#\n");
   printf("#\n");
   printf("#####\n");
   printf("#\n");
   printf("#\n");
   printf("#\n");
   printf("\n"); printf("\n");
   printf("    ######\n");
   printf("  ##      ##\n");
   printf(" #\n");
   printf(" #\n");
   printf(" #\n");
   printf(" #\n");
   printf("  ##      ##\n");
   printf("    ######\n");
   return 0;}
```

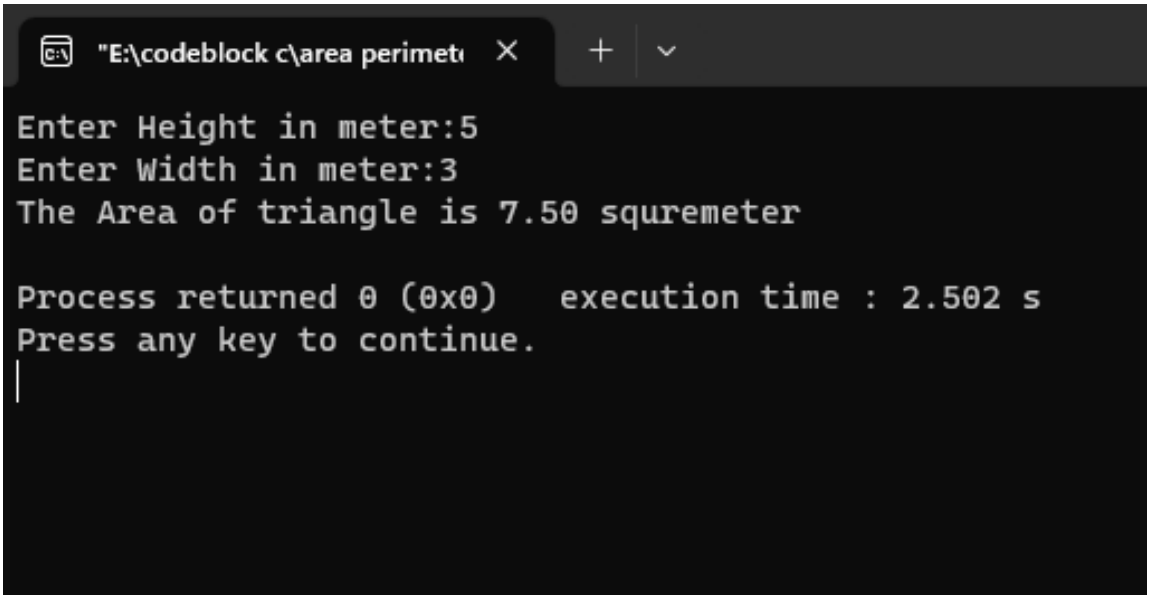
6.Area And Perimeter of a Square

```
#include<stdio.h>
int main()
{
   int l,w,a,p;
   //l=length w= width a=area p=perimeter
    printf("Enter length in meter:");
    scanf("%d",&l);
    printf("Enter Width in meter:");
    scanf("%d",&w);
    p=2*(l+w);
    a=l*w;
    printf("The Area of Square is %d meter\n",a);
    printf("The Perimeter of Square is %d meter\n",p);
    return 0;
    }
```



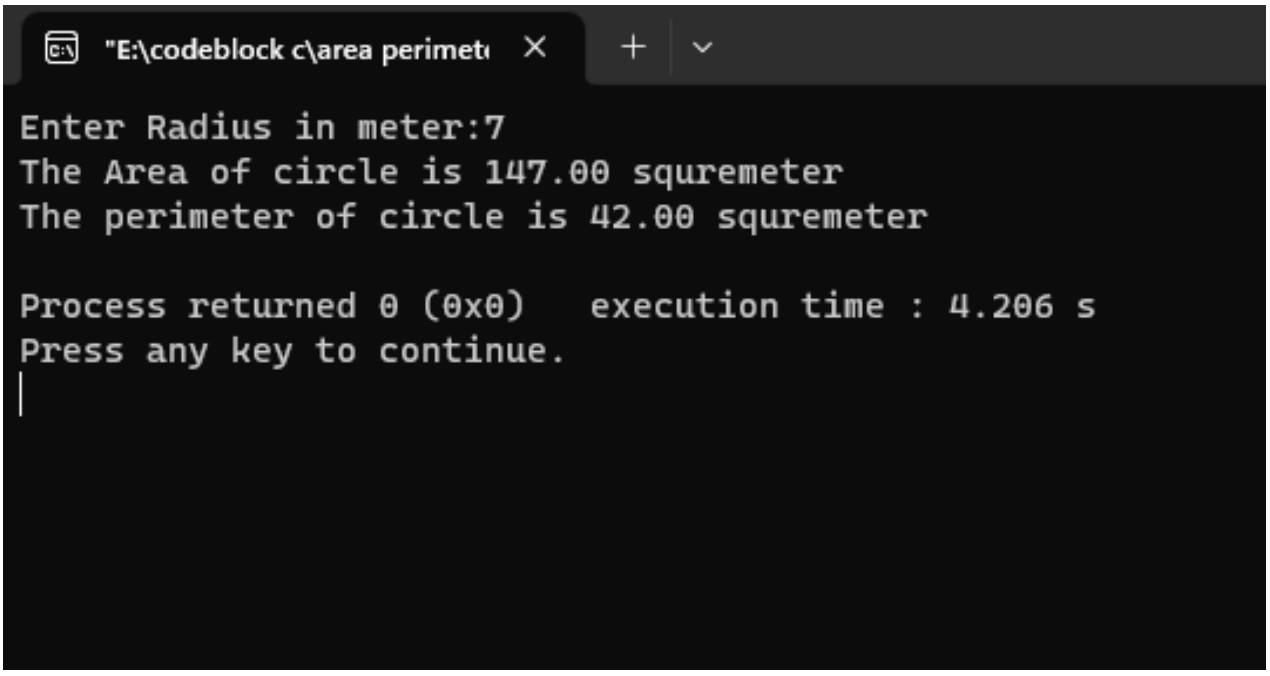
7.Area of a Triangle

```
#include<stdio.h>
int main()
{
   int h,w;
   float a;
   //h=height w= width a=area p=perimeter
    printf("Enter Height in meter:");
    scanf("%d",&h);
    printf("Enter Width in meter:");
    scanf("%d",&w);

    a=0.5*(h*w);
    printf("The Area of triangle is %.2f squremeter\n",a);

    return 0;
    }
```



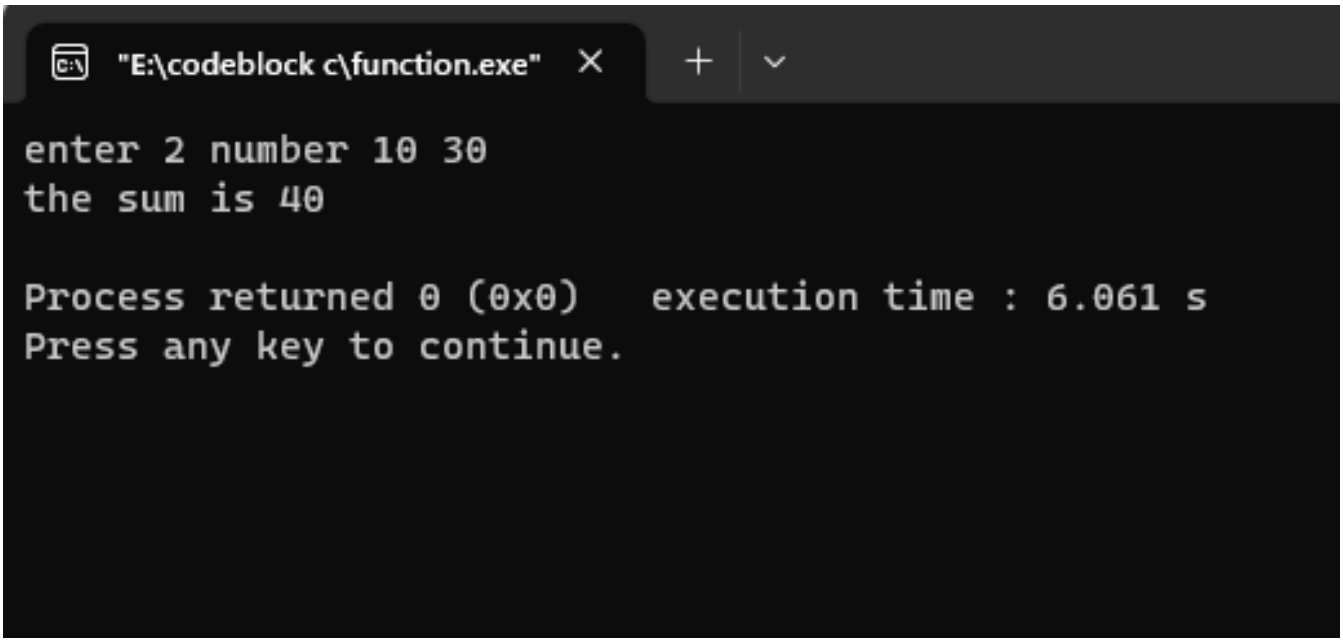
8.Area and Perimeter of a Circle

```
#include<stdio.h>
int main()
{
   int r,x;
   float a,p;
   x=3.1416;
   //r=radius x=pai a=area p=perimeter
    printf("Enter Radius in meter:");
    scanf("%d",&r);
    a=x*r*r;
    p=2*x*r;
    printf("The Area of circle is %.2f squremeter\n",a);
    printf("The perimeter of circle is %.2f squremeter\n",p);
    return 0;
    }
```



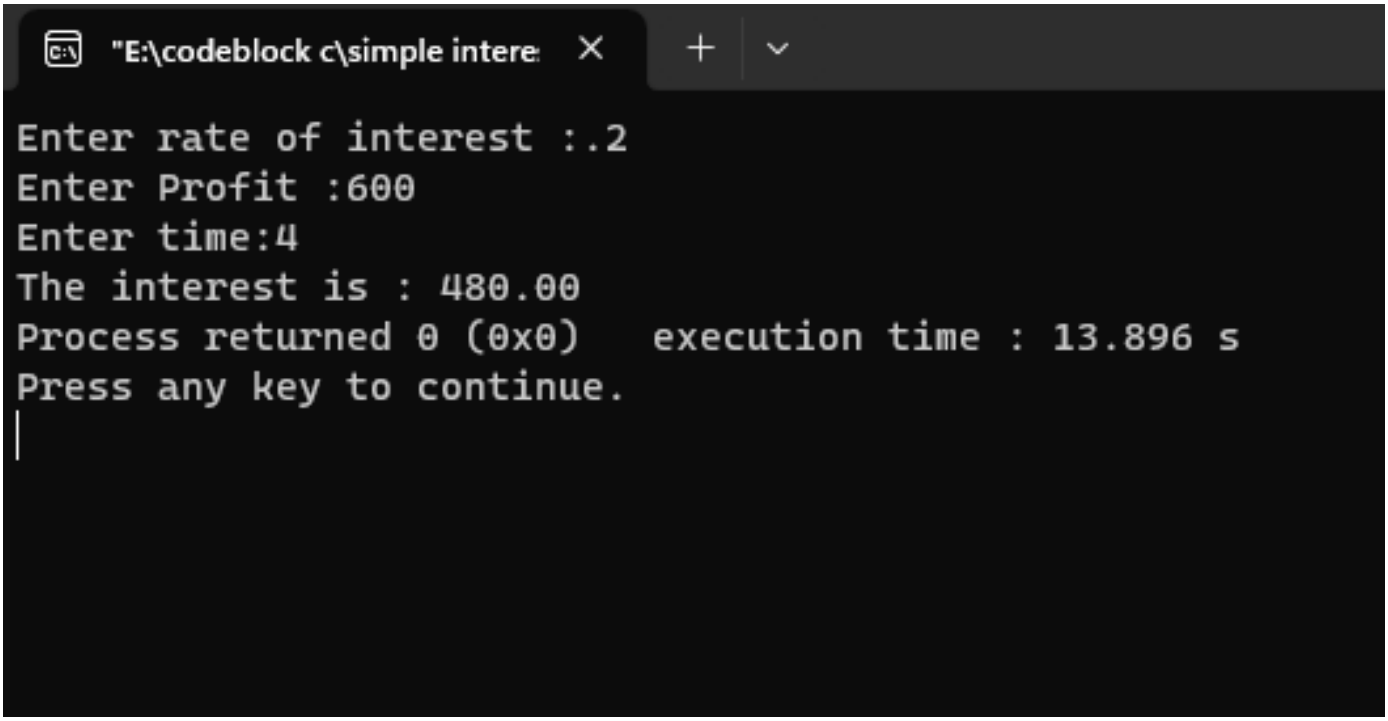
9. Sum using Function

```
#include<stdio.h>
int main()
{
   int num1,num2;
   printf("enter 2 number");
   scanf("%d %d",&num1,&num2);
   printf("the sum is %d\n",sum(num1,num2));

}
int sum(int x,int y)
{
   return x+y;
}
```



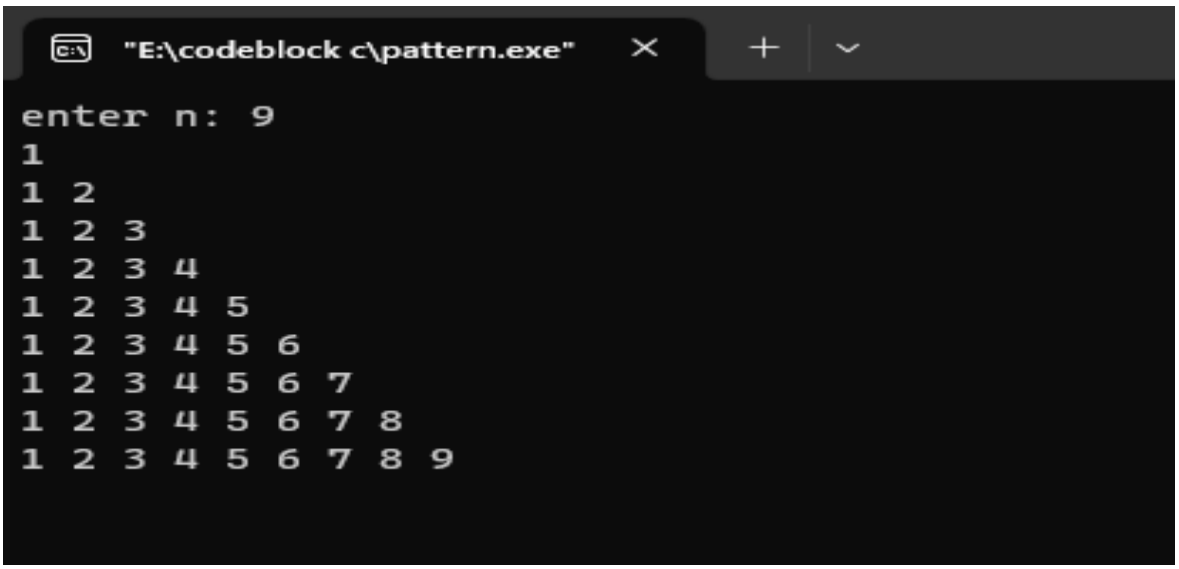
10. Distance of 2 point

```
#include<stdio.h>
int main()
    {float r,n,p,i;
    printf("Enter rate of interest :");
    scanf("%f",&r);
    printf("Enter Profit :");
    scanf("%f",&p);
    printf("Enter time:");
    scanf("%f",&n);

    i=p*n*r;
    printf("The interest is : %.2f",i);

 }
```



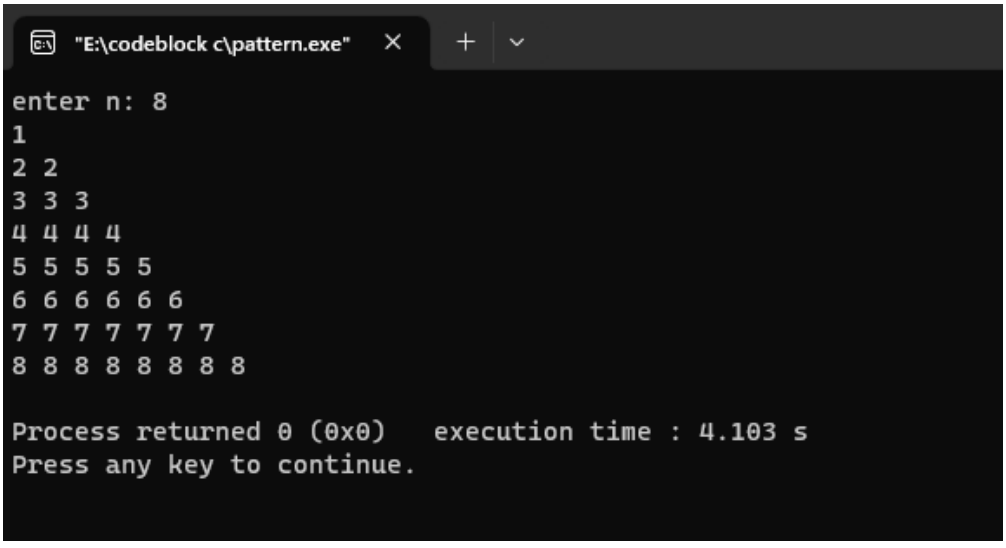
11. Pattern 1,2,3,4…..n. Type1

```
#include<stdio.h>
int main()
{
   int n,r,c;
   printf("enter n: ");
   scanf("%d",&n);
   for(r=1;r<=n;r++)
   {
      for(c=1;c<=r;c++)
         printf("%d ",c);
      printf("\n");
   }

   getch();


}
```



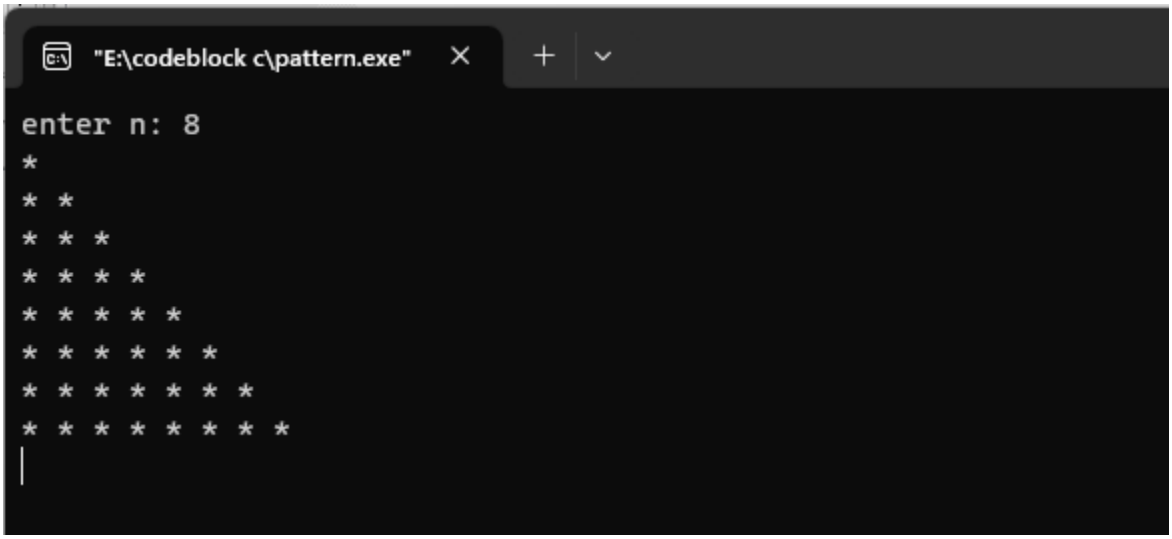
12. Pattern 1,2,3,4…..n. Type2

```
#include<stdio.h>
int main()
{
   int n,r,c;
   printf("enter n: ");
   scanf("%d",&n);
   for(r=1;r<=n;r++)
   {
      for(c=1;c<=r;c++)
         printf("%d ",r);
      printf("\n");
   }

   getch();

}
```



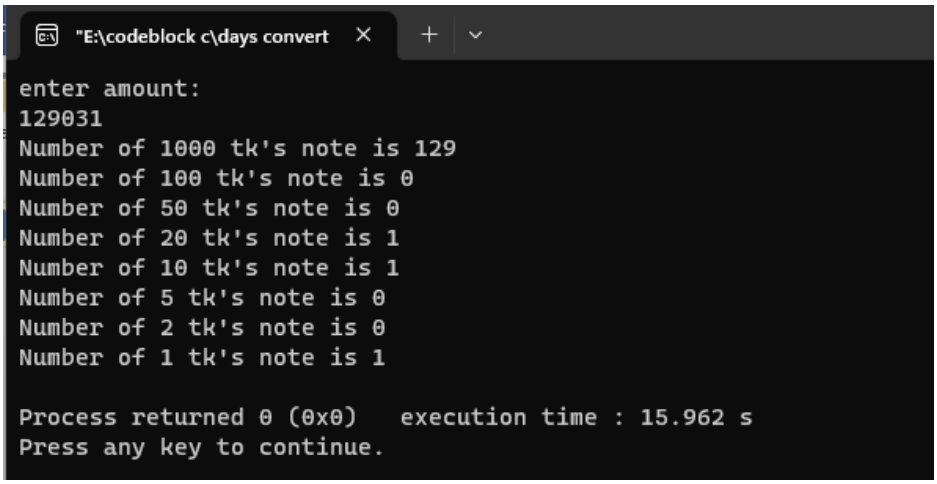
13. Pattern * Type

```
#include<stdio.h>
int main()
{
   int n,r,c;
   printf("enter n: ");
   scanf("%d",&n);
   for(r=1;r<=n;r++)
   {
      for(c=1;c<=r;c++)
         printf("* ");
      printf("\n");
   }

   getch();

}
```



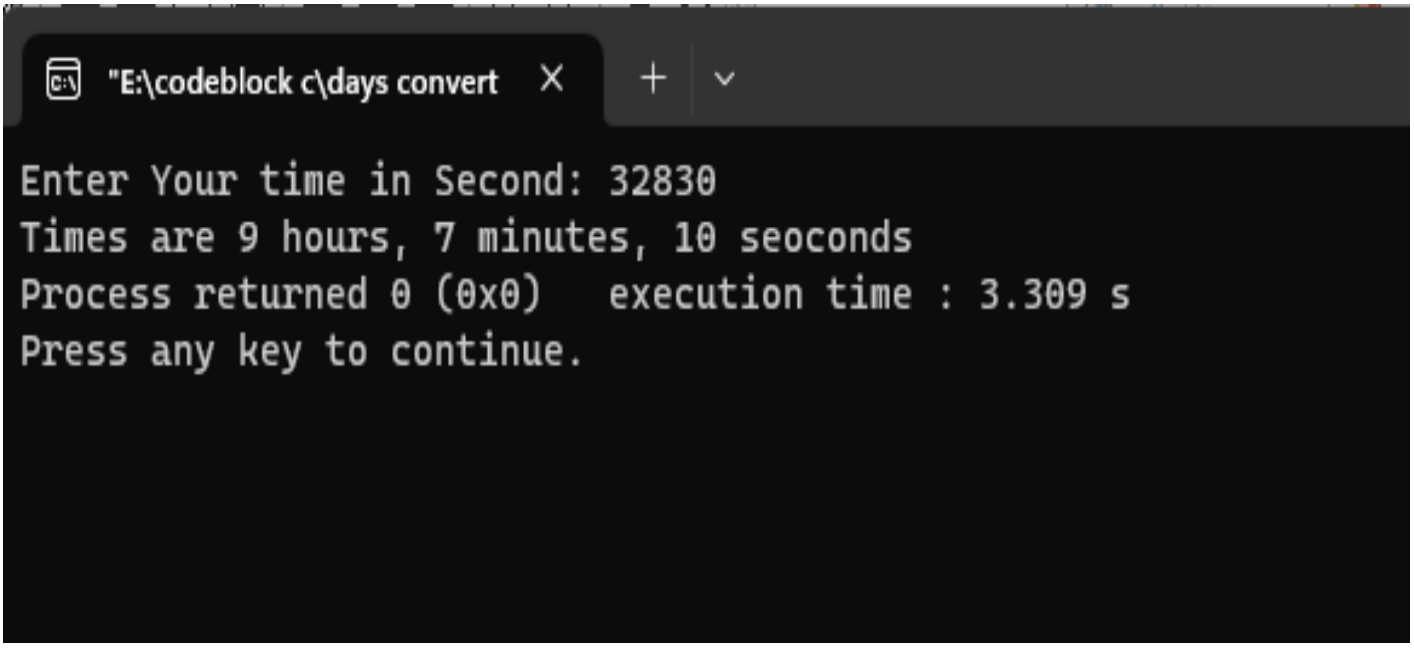
13. Number of notes in amount

```
#include<stdio.h>
int main()
{
    int a,t,rat,f,rah,h,raf,tw,ratw,ten,raten,five,rafive,two,one;
    printf("enter amount: \n");
    scanf("%d",&a);
    t=a/1000,rat=a%1000,h=rat/100,rah=rat%100,f=rah/50;
    raf=rah%50,tw=raf/20,ratw=raf%20,ten=ratw/10,raten=ratw%10,five=raten/5;
    rafive=raten%5,two=rafive/2,one=rafive%2;
    printf("Number of 1000 tk's note is %d\n",t);
    printf("Number of 100 tk's note is %d\n",h);
    printf("Number of 50 tk's note is %d\n",f);
    printf("Number of 20 tk's note is %d\n",tw);
    printf("Number of 10 tk's note is %d\n",ten);
    printf("Number of 5 tk's note is %d\n",five);
    printf("Number of 2 tk's note is %d\n",two);
    printf("Number of 1 tk's note is %d\n",one);
    return 0;
    }
```



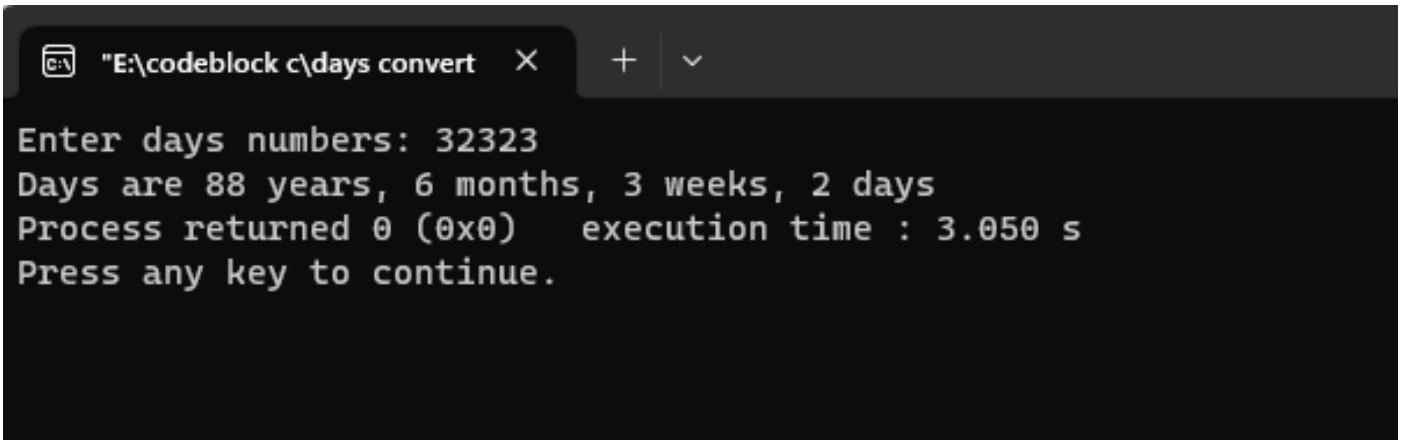
15. Times in Hours,Minutes,Seconds

```
#include<stdio.h>
int main()
{
   int h,m,s,t,rh;
   printf("Enter Your time in Second: ");
   scanf("%d",&t);
   //rh=remain second after getting hours
   h=t/3600;
   rh=t%3600;
   m=rh/60;
   s=rh%60;
   printf("Times are %d hours, %d minutes, %d seoconds",h,m,s);
   return 0;
   }
```



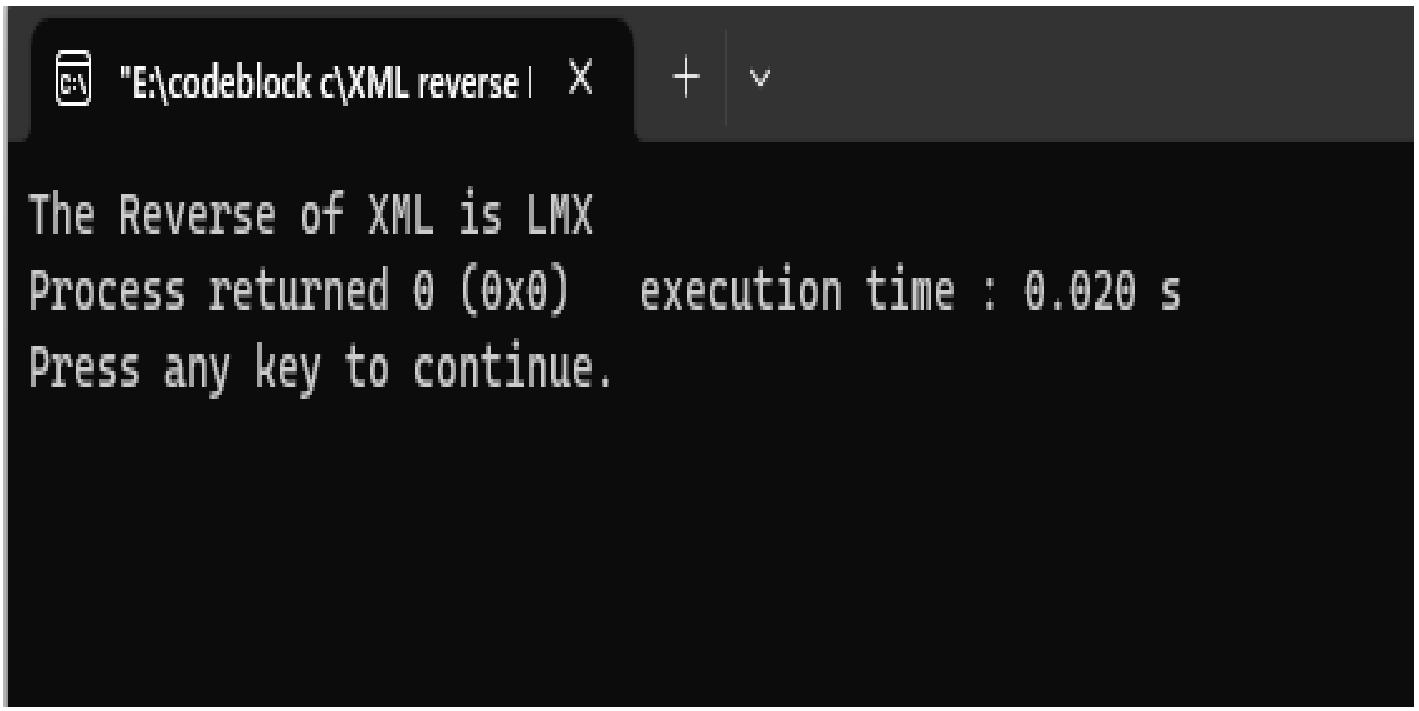
16.Days in years, months, weeks, days

```
#include<stdio.h>
int main()
{
   int year,t,rd,rd2,month,week,days;
   printf("Enter days numbers: ");
   scanf("%d",&t);
   //rh=remain second after getting hours
   year=t/365;
   rd=t%365;
   month=rd/30;
   rd2=rd%30;
   week=rd2/7;
   days=rd2%7;
   printf("Days are %d years, %d months, %d weeks, %d days",year,month,week,days);
   return 0;
   }
```



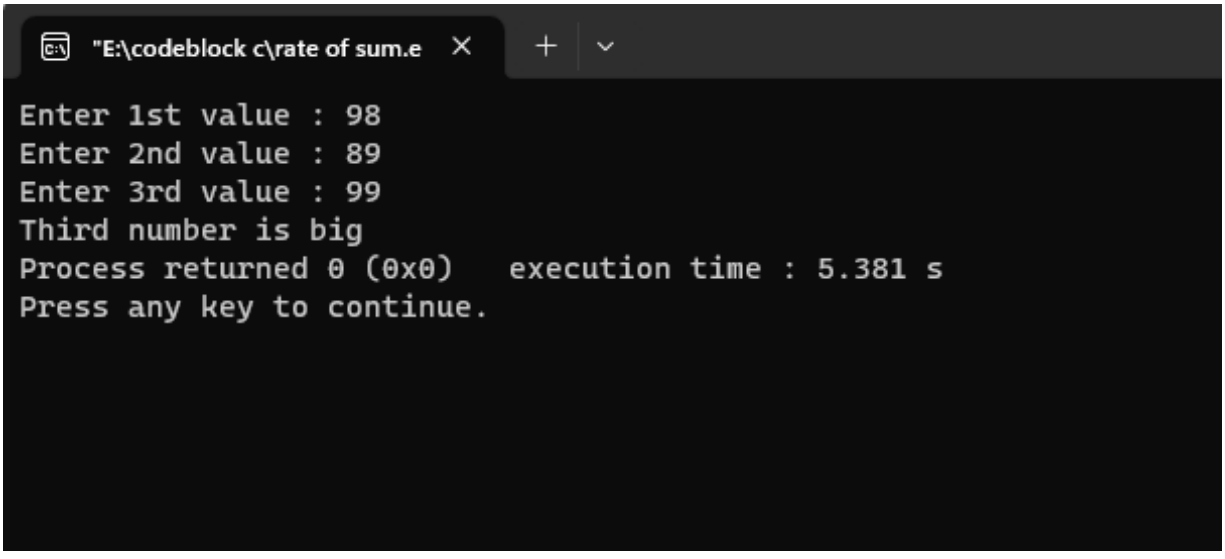
17. XML in Reverse LMX

```
#include<stdio.h>
int main()
{
   char a, b, c;
   a='X';
   b='M';
   c='L';
   printf("The Reverse of %c%c%c is %c%c%c",a, b, c, c, b, a);



}
```



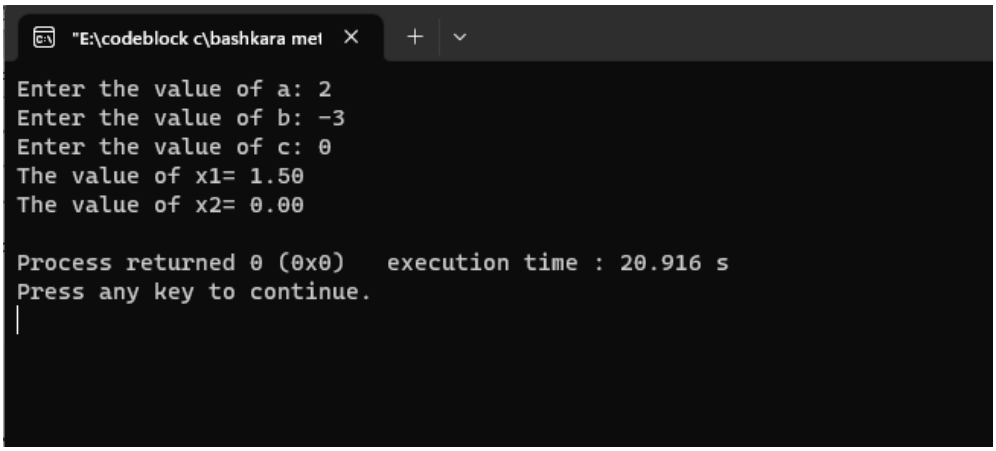
18. large number between 3 numbers

```
#include<stdio.h>
int main()
{
    float a,b,c,d,e,x;
    printf("Enter 1st value : ");
    scanf("%f",&a);
    printf("Enter 2nd value : ");
    scanf("%f",&b);
        printf("Enter 3rd value : ");
    scanf("%f",&c);
 if ((a>b)&&(a>c))
            printf("a is big");
            else if ((b>c)&&(b>a))
            printf("b is big");
        else
            printf("c is big");
return 0 ;}
```



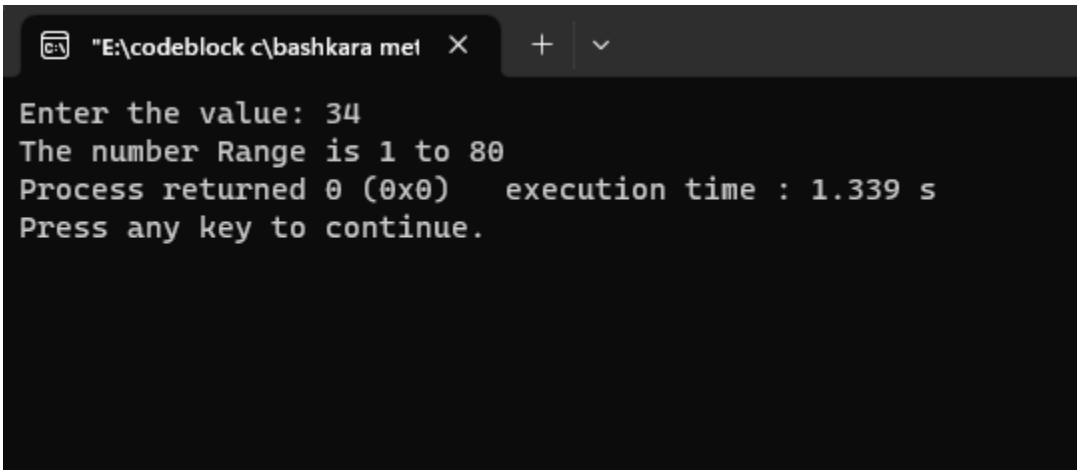
19.Bhaskara's Method

```
#include<stdio.h>
int main()
{
   double a,b,c;
   double y,x,x1,x2;
   printf("Enter the value of a: ");
   scanf("%lf",&a);
   printf("Enter the value of b: ");
   scanf("%lf",&b);
   printf("Enter the value of c: ");
   scanf("%lf",&c);
   x=((b*b)-(4*a*c));
   if(x>0 && a!=0){
   y=sqrt(x);
   x1=((-b+y)/(2*a)) ;
   x2=((-b-y)/(2*a)) ;
   printf("The value of x1= %0.2lf\n",x1);
   printf("The value of x2= %0.2lf\n",x2);
   }return 0;}
```



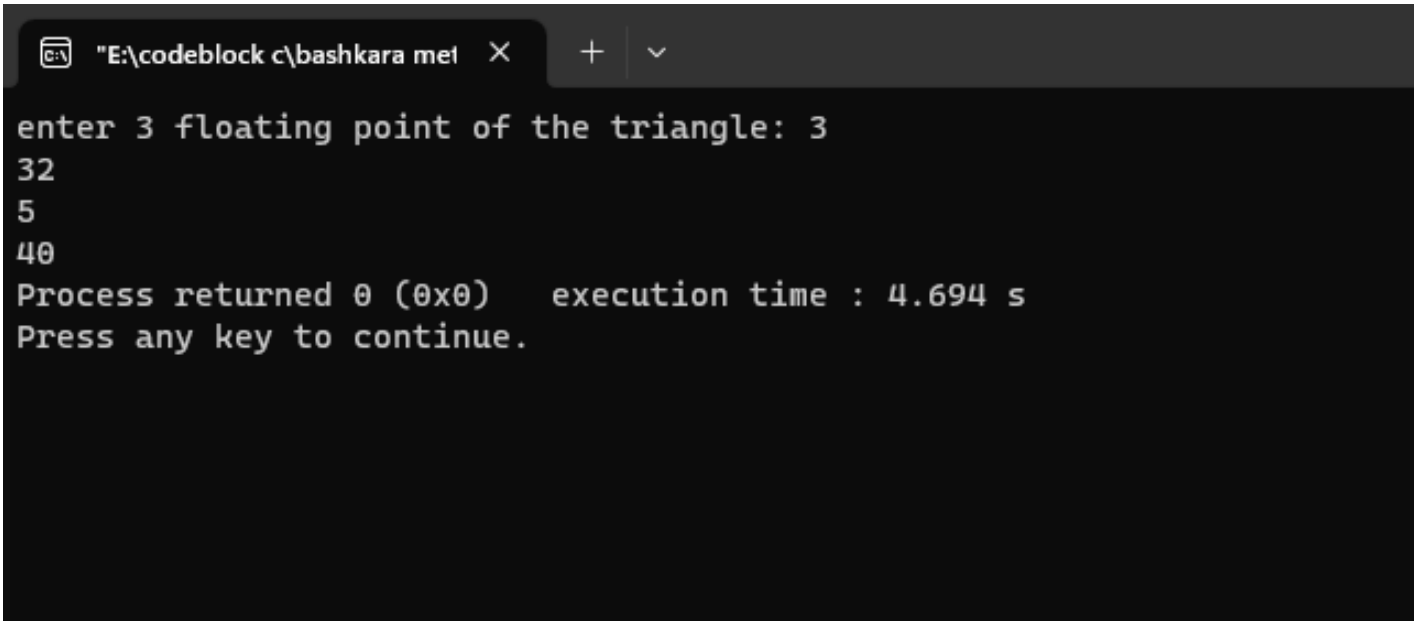
20.Number range from 1 to 80

```
#include<stdio.h>
int main()
{
   int n;
   printf("Enter the value: ");
   scanf("%d",&n);
   if(n>=81 || n<=0){
      printf("The number is Error");

   }
   else{
      printf("The number Range is 1 to 80");
   }
   return 0;
}
```



21.Perimeter of a triangle

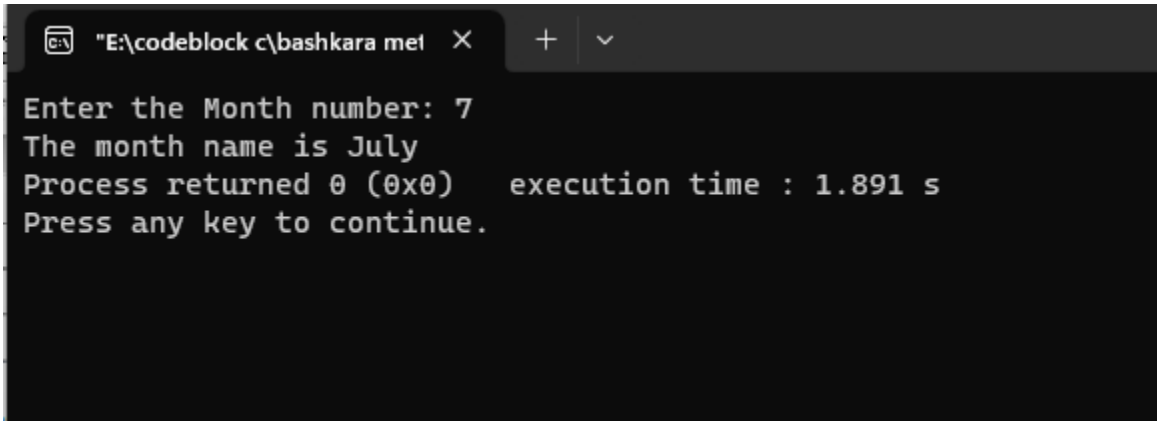
```
#include<stdio.h>
int main()
{
   int a,b,c;
   printf("enter 3 floating point of the triangle: ");
   scanf("%d %d %d",&a,&b,&c);
   //x= perimeter;
   int x=a+b+c;
   printf("%d",x);
}
```



22. Month name

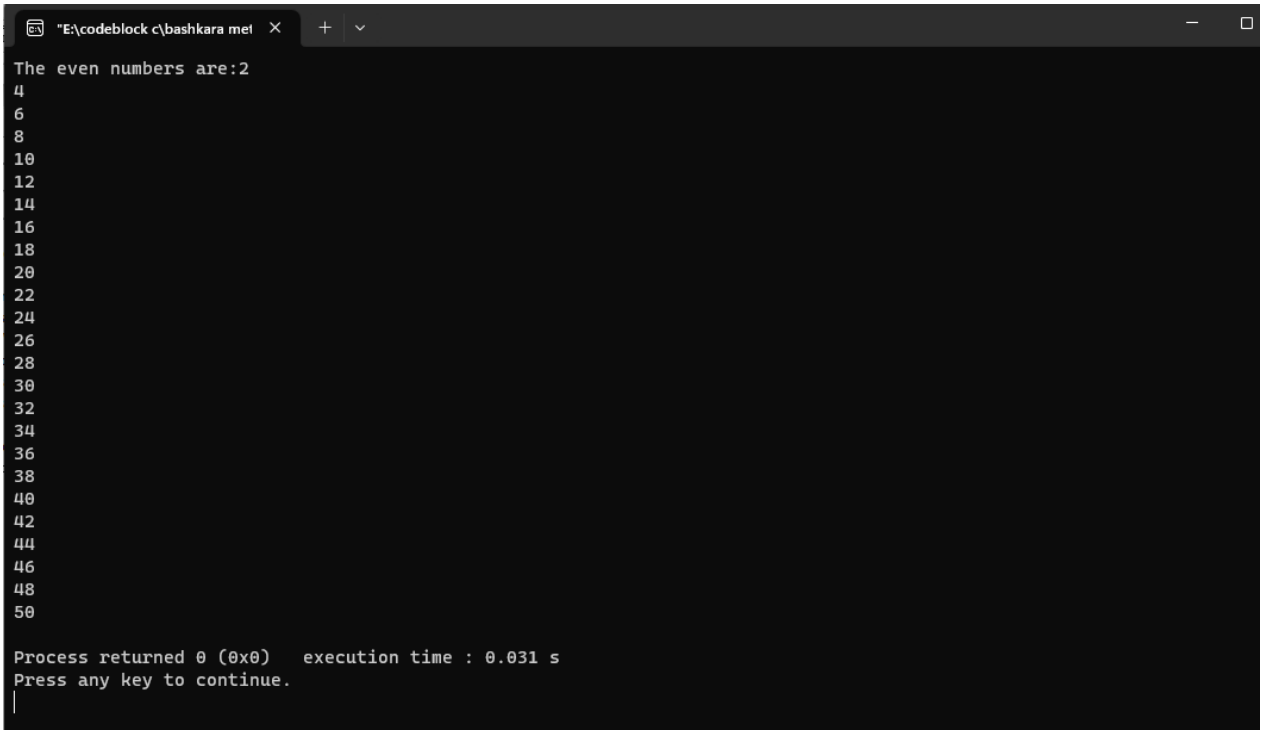
```
#include<stdio.h>
int main()
{
   int n;
   printf("Enter the Month number: ");
   scanf("%d",&n);
   if(n==1){
      printf("The month name is January");
   }
   else if(n==2){
      printf("The month name is February");
   }
   else if(n==3){
      printf("The month name is March");
   }
   else if(n==4){
      printf("The month name is April");
   }
   else if(n==5){
      printf("The month name is May");
   }
   else if(n==6){
      printf("The month name is June");
   }
   else if(n==7){
```

```
        printf("The month name is July");
    }
    else if(n==8){
        printf("The month name is August");
    }
    else if(n==9){
        printf("The month name is Semtember");
    }
    else if(n==10){
        printf("The month name is October");
    }
    else if(n==11){
        printf("The month name is November");
    }
    else if(n==12){
        printf("The month name is December");
    }1
    else
        printf("Choose between 1 to 12 please");
}
```



23.Even number between 1 to 50

```
#include<stdio.h>
int main()
{
   int n;
   printf("The even numbers are:");
   for (n=2;n<=50;n=n+2){
      printf("%d\n",n);
   }
return 0;
}
```



24.Square of a number

```
#include<stdio.h>
int main()
{   int n;
    printf("Enter the number for Square: ");
    scanf("%d",&n);

    printf("the square of %d is %d\n",n,n*n);
    return 0;

}
```