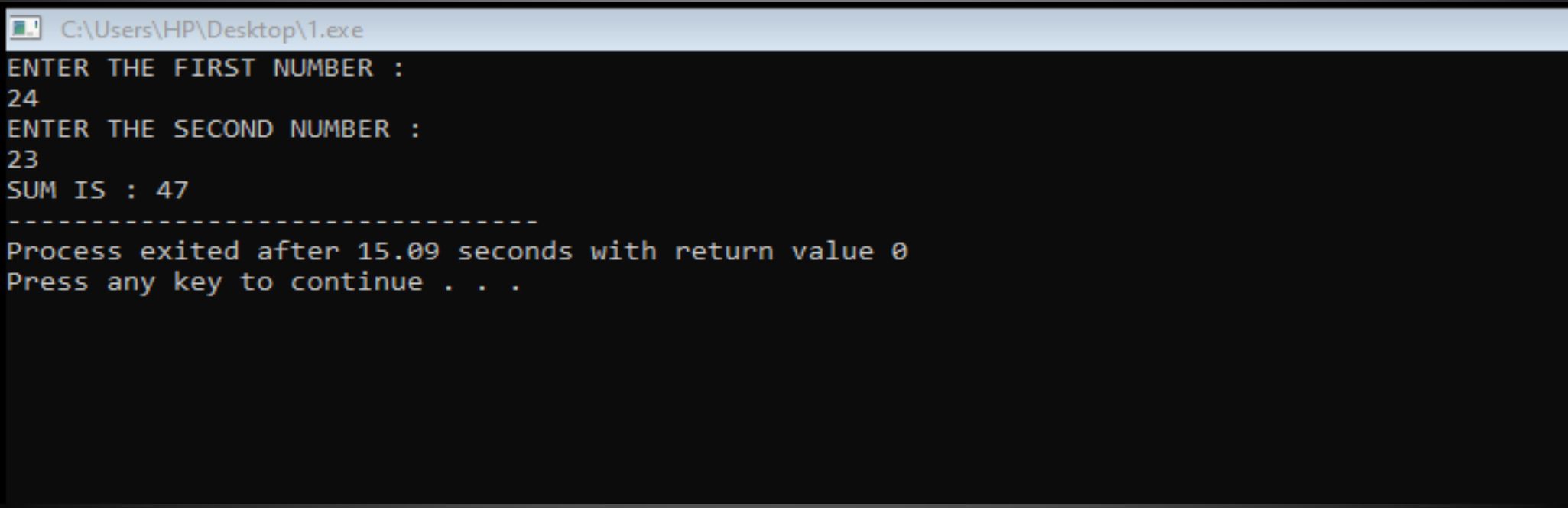
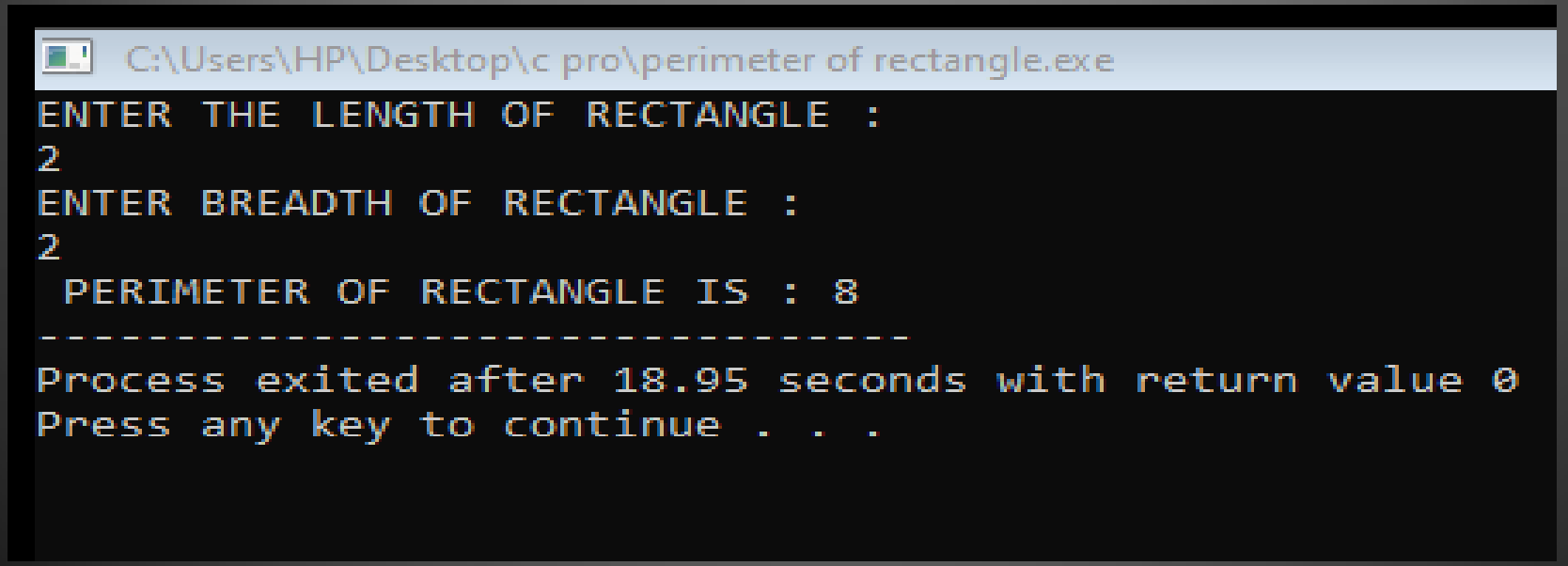
```c
# include<stdio.h>
int main() {
        // ENTER TWO NUMBER AND FIND THE SUM OF NUMBER.....
        int a,b;
        printf("ENTER THE FIRST NUMBER : \n");
        scanf("%d",&a);
        printf("ENTER THE SECOND NUMBER : \n");
        scanf("%d",&b);
        printf("SUM IS : %d",a+b);
        return 0 ;
        }
```



```c
# include<stdio.h>
int main() {
        // ENTER TWO NUMBER AND PERFORM  ARITHMETIC   OPER ATIONS ON IT.....
        int a,b;
        printf("ENTER THE FIRST NUMBER : \n");
        scanf("%d",&a);
        printf("ENTER THE SECOND NUMBER : \n");
        scanf("%d",&b);
        printf("SUM IS : %d \n",a+b);
        printf("DIFFERENCE IS : %d \n",a-b);
        printf("MULTIPLICATION IS : %d \n",a*b);
        printf("DIVISION IS : %d \n",a/b);
        return 0 ;
        }
```

```
C:\Users\HP\Desktop\c pro\arithmetic opreation.exe
ENTER THE FIRST NUMBER :
10
ENTER THE SECOND NUMBER :
5
SUM IS : 15
DIFFERENCE IS : 5
MULTIPLICATION IS : 50
DIVISION IS : 2

--------------------------------
Process exited after 5.74 seconds with return value 0
Press any key to continue . . .
```

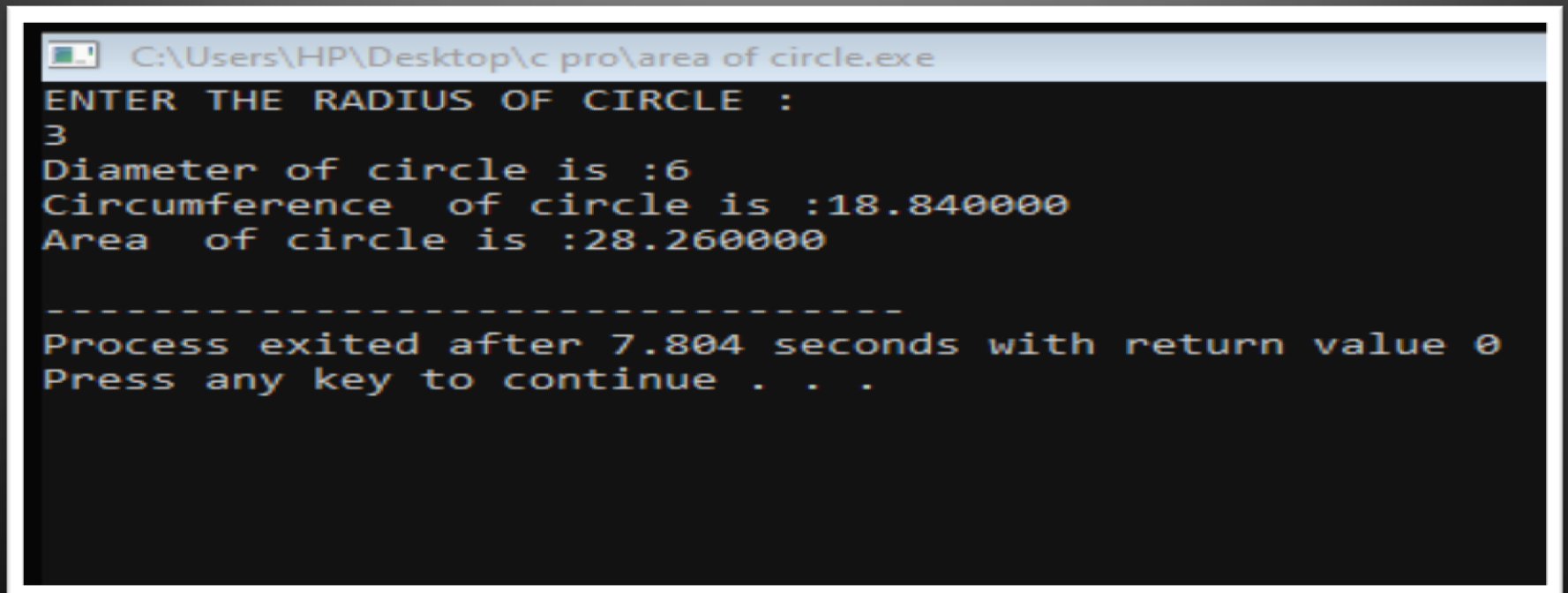
```
int main() {
        // ENTER THE LENGTH AND BREADTH OF RECTANGLE AND FIND ITS PERIMETER.....
        int a,b;
        printf("ENTER THE LENGTH OF RECTANGLE : \n");
        scanf("%d",&a);
        printf("ENTER BREADTH OF RECTANGLE : \n");
        scanf("%d",&b);
        printf(" PERIMETER OF RECTANGLE IS : %d",2*a+2*b);

        return 0 ;
        }
```



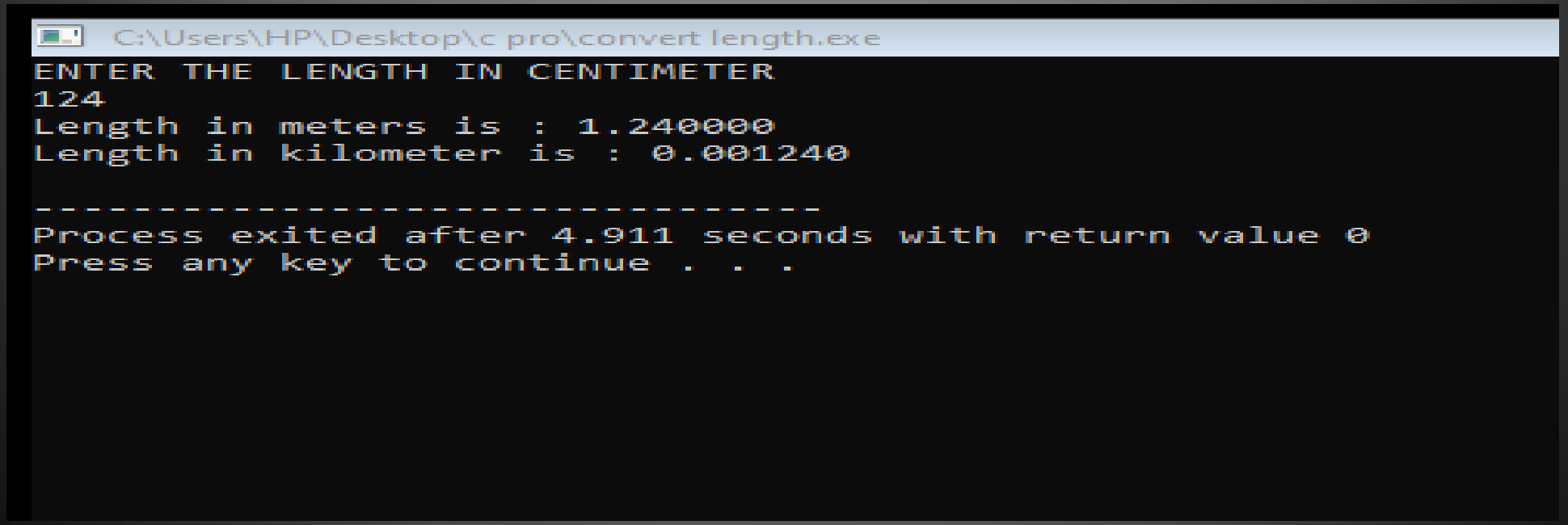
```c
int main() {
        // ENTER THE LENGTH AND BREADTH OF RECTANGLE AND FIND ITS AREA.....
        int a,b;
        printf("ENTER THE LENGTH OF RECTANGLE : \n");
        scanf("%d",&a);
        printf("ENTER BREADTH OF RECTANGLE : \n");
        scanf("%d",&b);
        printf(" AREA OF RECTANGLE IS : %d",a*b);

        return 0 ;
        }
```

```
C:\Users\HP\Desktop\c pro\area of rectangle.exe
ENTER THE LENGTH OF RECTANGLE :
3
ENTER BREADTH OF RECTANGLE :
9
 AREA OF RECTANGLE IS : 27
--------------------------------
Process exited after 3.559 seconds with return value 0
Press any key to continue . . .
```

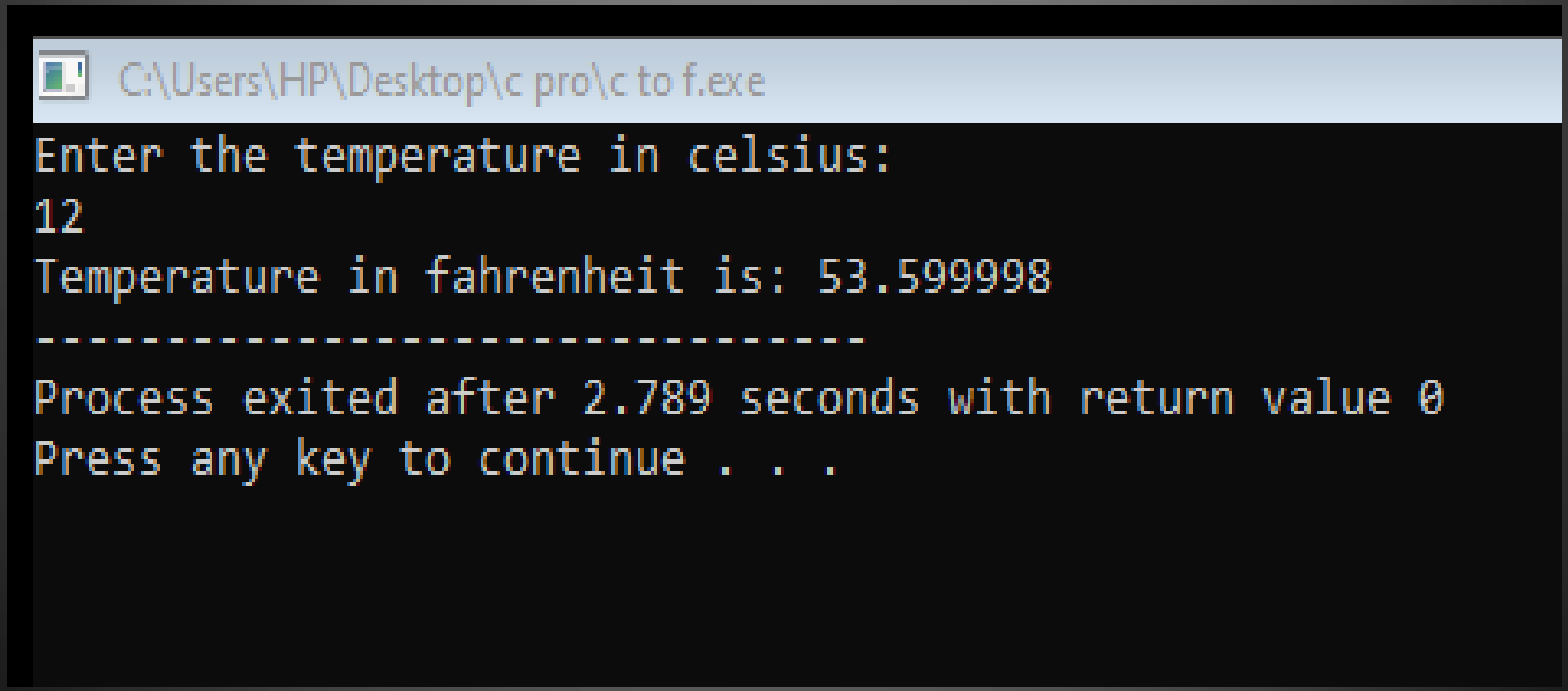
```c
# include<stdio.h>
#include<math.h>
int main(){
        //  RADIUS,DIAMETER , CIRCUMFERENCE,AREA OF CIRCLE……
    int a ;
    printf("ENTER THE RADIUS OF CIRCLE : \n");
    scanf("%d",&a);
    printf("Diameter of circle is :%d \n",2*a);
    printf("Circumference  of circle is :%f \n",2*3.14*a);
    printf("Area  of circle is :%f \n",3.14*a*a);
    return 0 ;
}
```



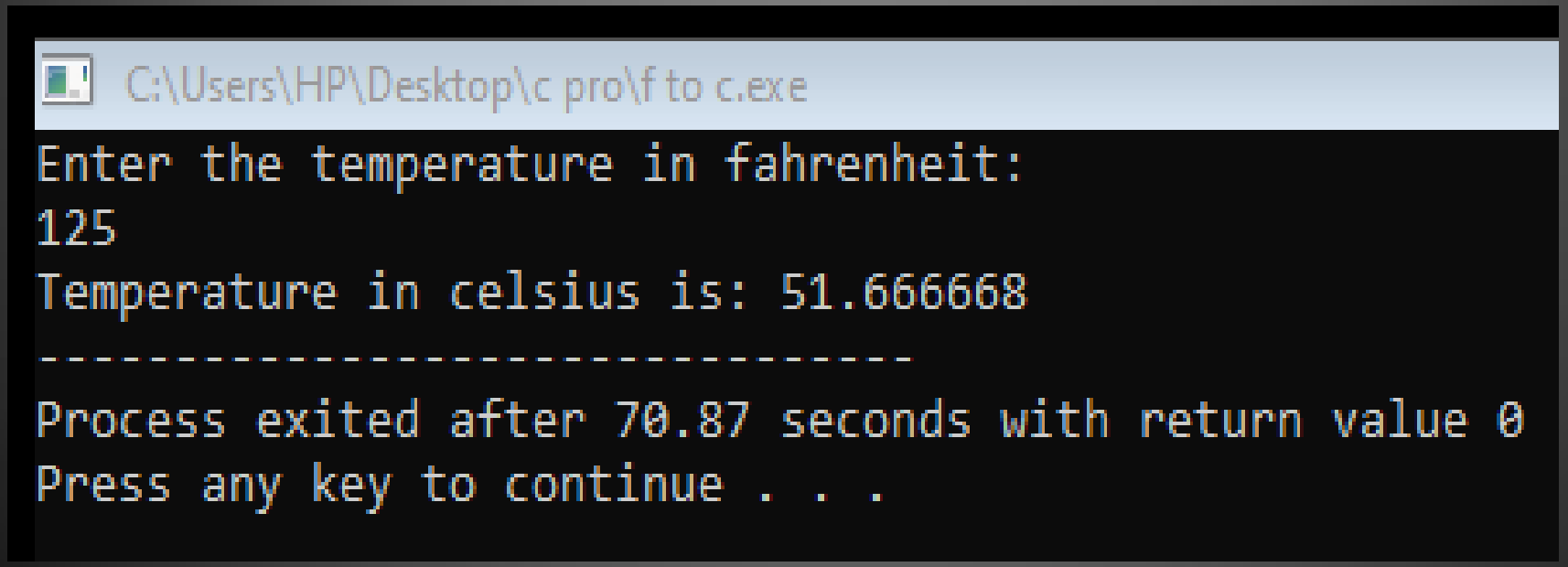
```c
# include<stdio.h>
// convert length in meter and kilometer.....
int main(){
        float a;
        printf("ENTER THE LENGTH IN CENTIMETER\n");
        scanf("%f" , &a );
        printf("Length in meters is : %f\n",a/100);
        printf("Length in kilometer is : %f\n",a/100000);
        return 0 ;
}
```



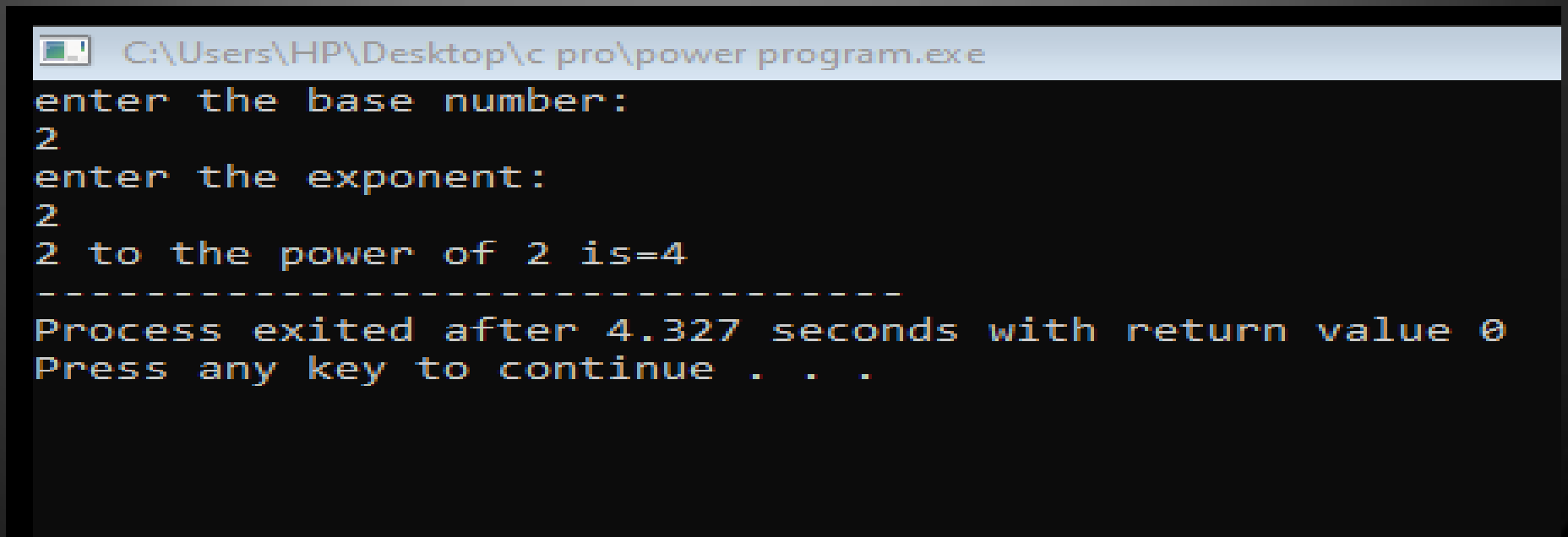
```c
# include<stdio.h>
// convert celsius temperature to fahrenheit....
int main(){
        float celsius;
        printf("Enter the temperature in celsius:\n");
        scanf("%f",&celsius);
        printf("Temperature in fahrenheit is: %f",(celsius*9/5)+32);
        return 0;
}
```



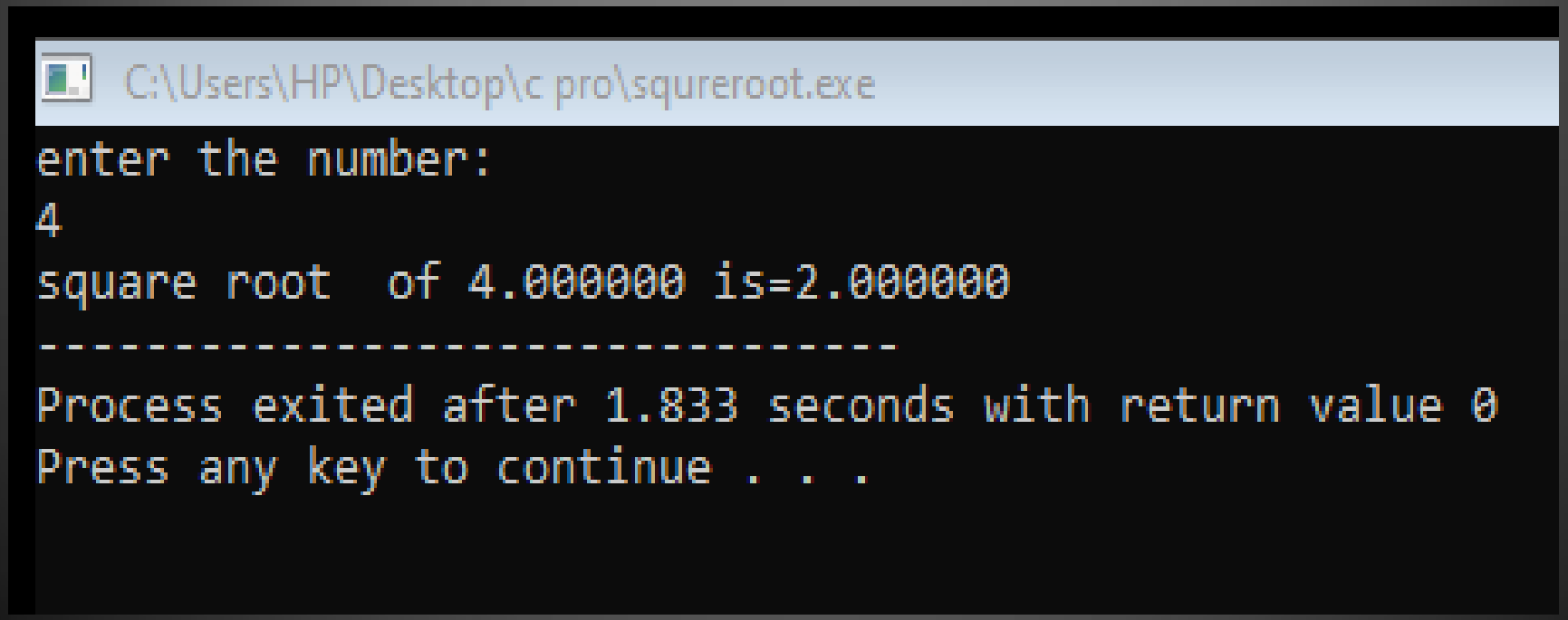
```c
# include<stdio.h>
// convert fahrenheit temperature to celsius....
int main(){
        float fahrenheit;
        printf("Enter the temperature in fahrenheit:\n");
        scanf("%f", &fahrenheit);
        printf("Temperature in celsius is: %f",(fahrenheit-32)*5/9);
        return 0;
}
```



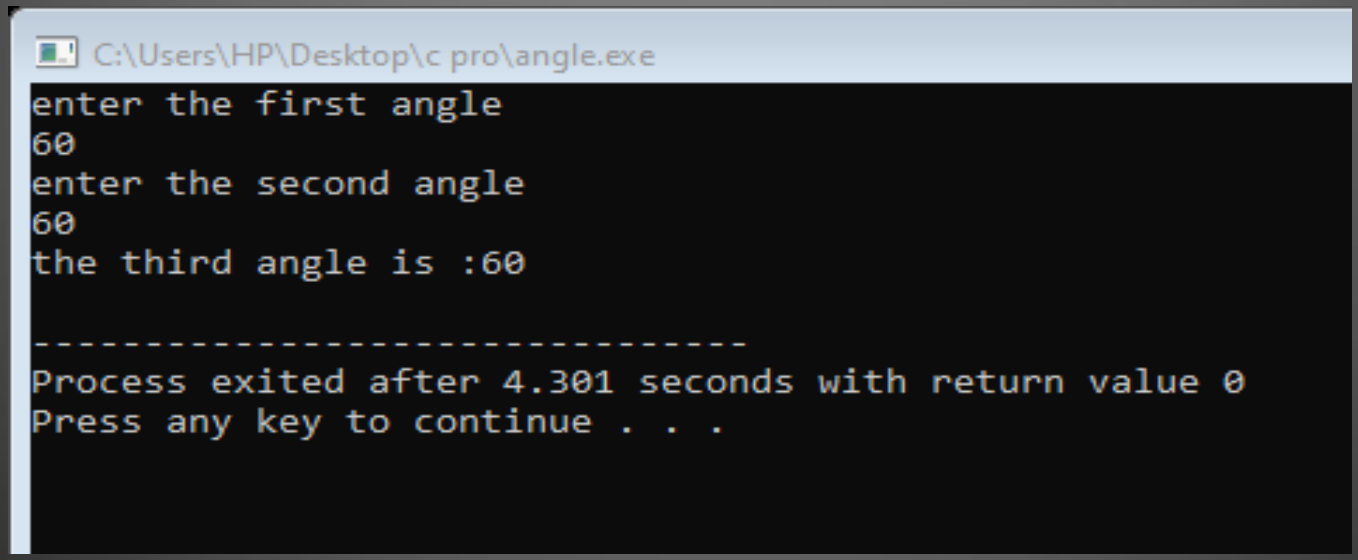
```c
# include<stdio.h>
# include<math.h>
//find power of any number.....
int main(){
        int a,b,result;
        printf("enter the base number:\n");
        scanf("%d",&a);
        printf("enter the exponent:\n");
        scanf("%d",&b);
        result=pow(a,b);
        printf("%d to the power of %d is=%d",a,b,result);
        return 0 ;
}
```



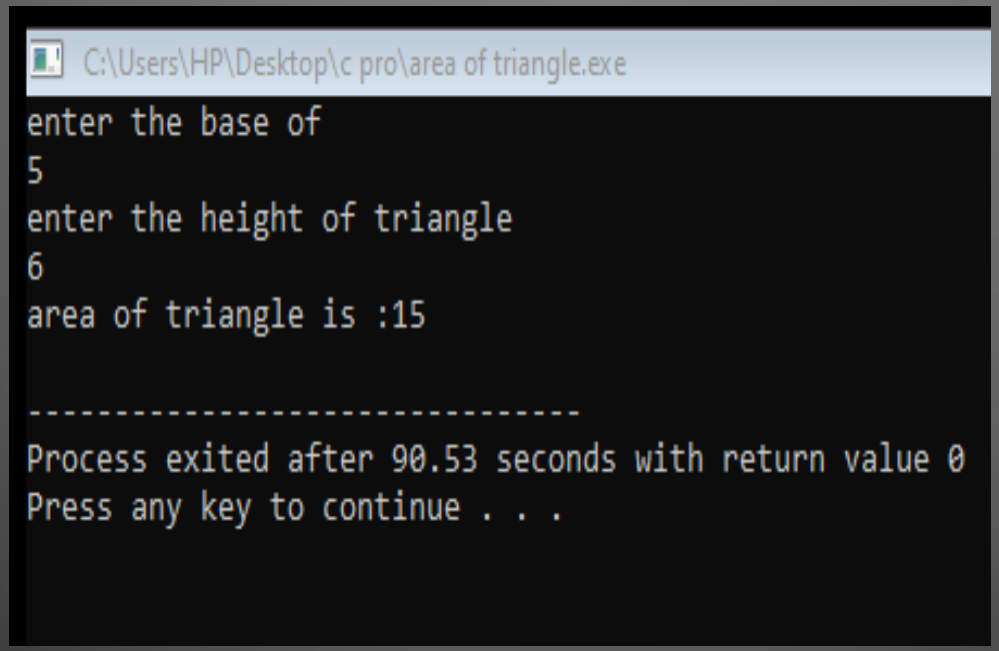
```c
# include<stdio.h>
# include<math.h>
//find square root  of any number.....
int main(){
        float a,result;
        printf("enter the number:\n");
        scanf("%f",&a);

        result=sqrt(a);
        printf("square root  of %f is=%f",a,result);
        return 0 ;
}
```



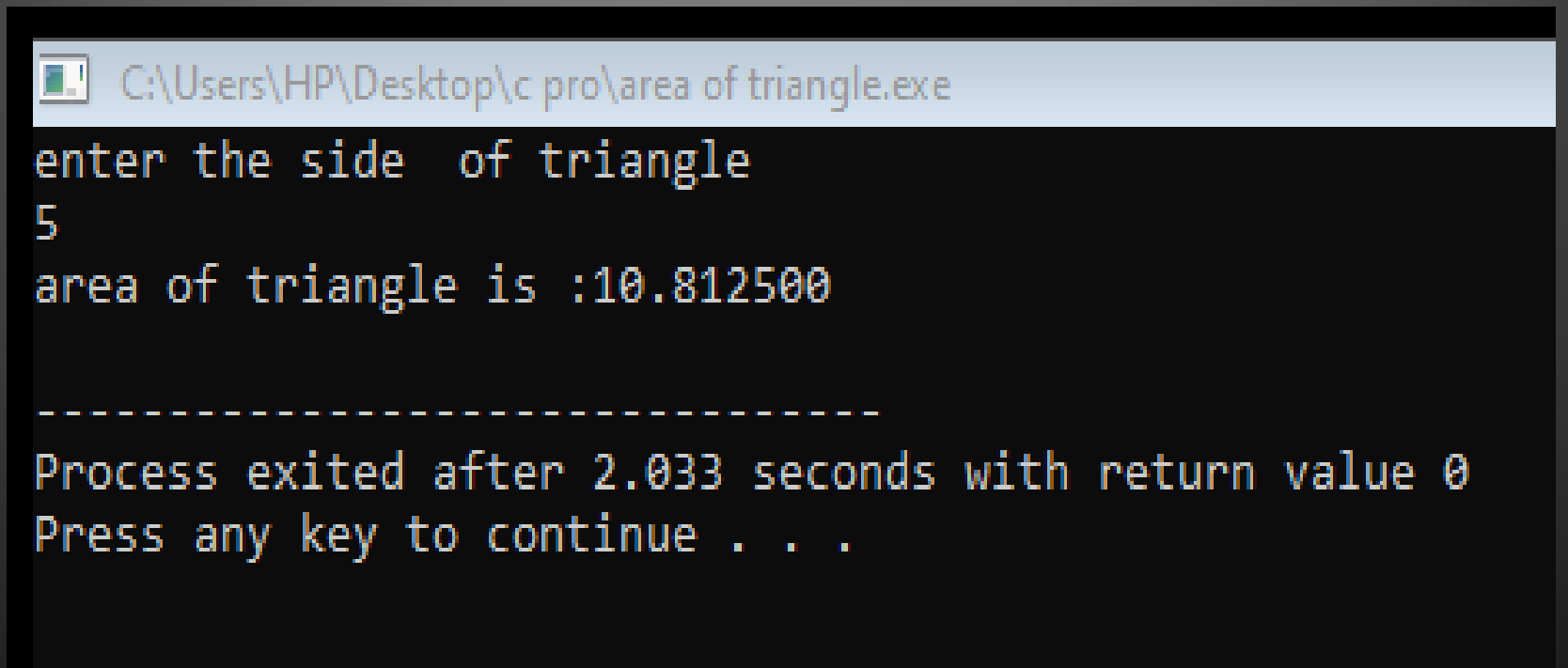
```
# include<stdio.h>
int main(){
        // TO calculate the third angle of triangle.....
        int a , b,c;
        printf("enter the first angle\n");
        scanf("%d",&a);
   printf("enter the second angle\n");
        scanf("%d",&b);
        c=180-(a+b);
        printf("the third angle is :%d\n",c);
        return 0 ;

}
```



```
# include<stdio.h>
int main(){
        // TO calculate the area  of triangle.....
        int  a, b, c;
        printf("enter the base of \n");
        scanf("%d",&a);
   printf("enter the height of triangle\n");
        scanf("%d",&b);
        c=0.5*a*b;
        printf("area of triangle is :%d\n",c);
        return 0 ;

}
```



```c
# include<stdio.h>
int main(){
        // To calculate the area  of  equilateral triangle.....
        int a,b;
        printf("enter the side  of triangle \n");
        scanf("%d",&a);
        b=(1.73*a*a)/4;
        printf("area of triangle is :%d\n",b);
        return 0 ;

}
```



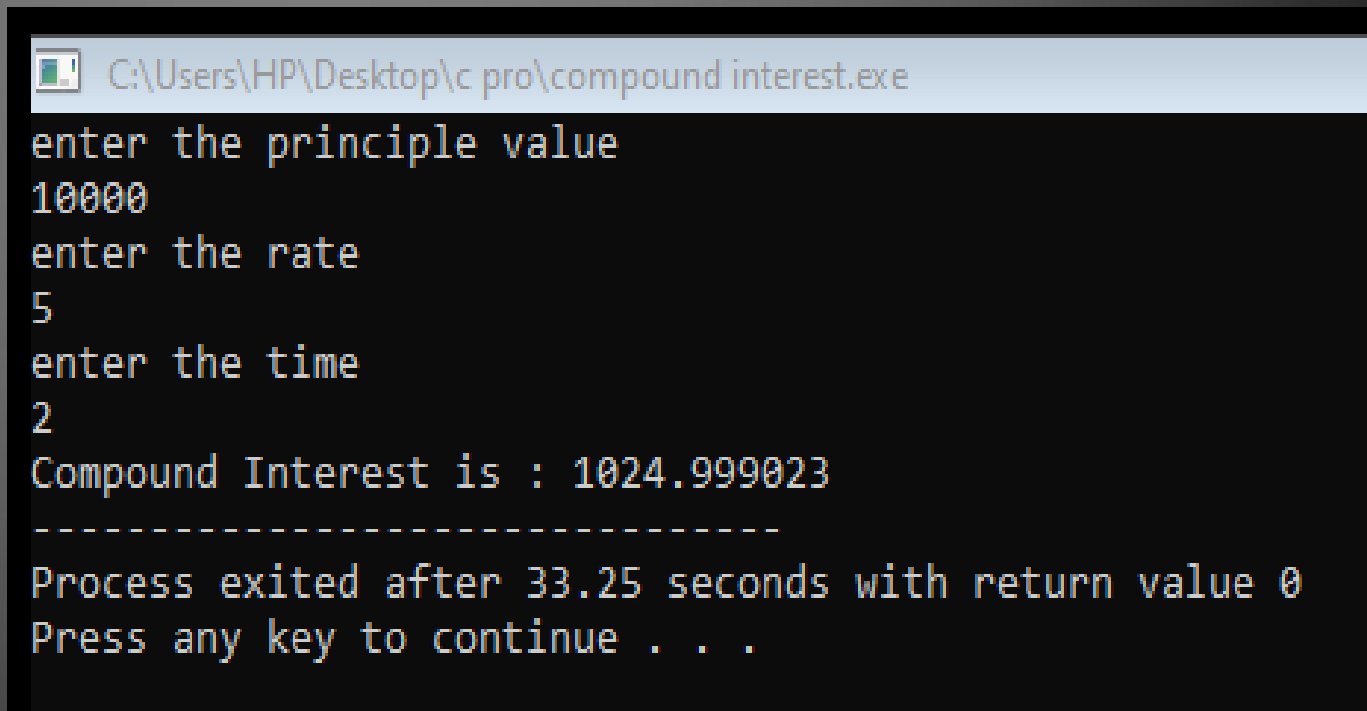
```c
# include<stdio.h>
int main(){
                 //  total  ,average , percentage of marks of 5 subjects……..
                int a,b,c,d,e,f,g,total=500;
                printf("enter the marks of first subject\n");
                scanf("%d",&a);
                printf("enter the marks of second subject\n");
                scanf("%d",&b);
                printf("enter the marks of third subject\n");
                scanf("%d",&c);
                printf("enter the marks of fourth subject\n");
                scanf("%d",&d);
                printf("enter the marks of first subject\n");
                scanf("%d",&e);
                f=a+b+c+d+e;
                g=f/5;
                float h=(f*100)/total;
                printf("total marks is:%d\n",f);
                printf("average marks is :%d\n",g);
                printf("percentage is :%f\n",h);
                   return 0 ;

}
```

```
C:\Users\HP\Desktop\c pro\percentage.exe
enter the marks of first subject
80
enter the marks of second subject
90
enter the marks of third subject
75
enter the marks of fourth subject
65
enter the marks of first subject
50
total marks is:360
average marks is :72
percentage is :72.000000

--------------------------------
Process exited after 59.54 seconds with return value 0
Press any key to continue . . .
```

```c
# include<stdio.h>
int main(){
        // simple interest.....
        float p,r,t;
        printf("enter the principle value \n");
        scanf("%f",&p);
        printf("enter the rate  \n");
        scanf("%f",&r);
        printf("enter the time \n");
        scanf("%f",&t);
        printf("the simple interst is :%f",(p*r*t)/100);
        return 0 ;
}
```

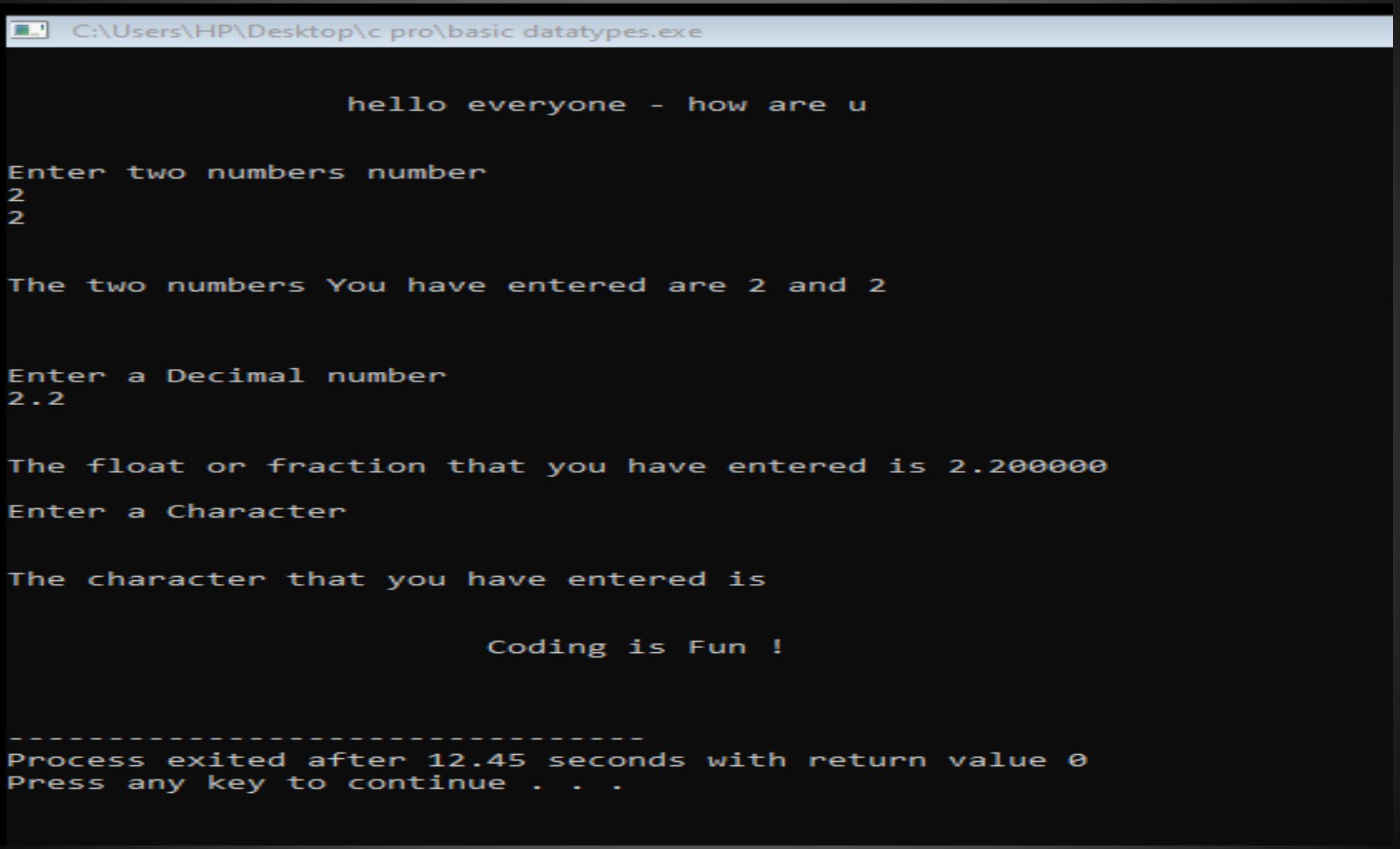
```
C:\Users\HP\Desktop\c pro\simple interst.exe
enter the principle value
1200
enter the rate
2
enter the time
5.4
the simple interst is :129.600006
--------------------------------
Process exited after 15.01 seconds with return value 0
Press any key to continue . . .
```

```c
// C program to calculate Compound Interest
#include <stdio.h>
#include<math.h>
int main()
{ float p,r,t,a,c;
                printf("enter the principle value \n");
                scanf("%f",&p);
                printf("enter the rate  \n");
                scanf("%f",&r);
                printf("enter the time \n");
                scanf("%f",&t);
   a = p *((pow((1 + r / 100),t)));
   c = a-p;
   printf("Compound Interest is : %f",c);
   return 0;
}
```



```c
#include<stdio.h>

int main()
{
   printf("\n\n\t\t hello everyone - how are u\n\n\n");

   int num1, num2;
   float fraction;
   char character;
   printf("Enter two numbers number\n");
   scanf("%d%i", &num1, &num2);
   printf("\n\nThe two numbers You have entered are %d and %i\n\n", num1, num2);
    printf("\n\nEnter a Decimal number\n");
   scanf("%f", &fraction);
   printf("\n\nThe float or fraction that you have entered is %f", fraction);
   printf("\n\nEnter a Character\n");
   scanf("%c",&character);
   printf("\n\nThe character that you have entered is %c", character);
   printf("\n\n\t\t\tCoding is Fun !\n\n\n");
    return 0;
}
```

OUTPUT OF BASIC DATATYPES……..



```c
#include <stdio.h>
int main()
{
   int days, years, weeks;

   printf("enter the number of days\n");
   scanf("%d",&days);
   // Converts days to years, weeks and days
   years = days/365;
   weeks = (days % 365)/7;
   days = days- ((years*365) + (weeks*7));

   printf("Years: %d\t", years);
   printf("Weeks: %d\t", weeks);
   printf("Days: %d \t", days);

   return 0;
}
```