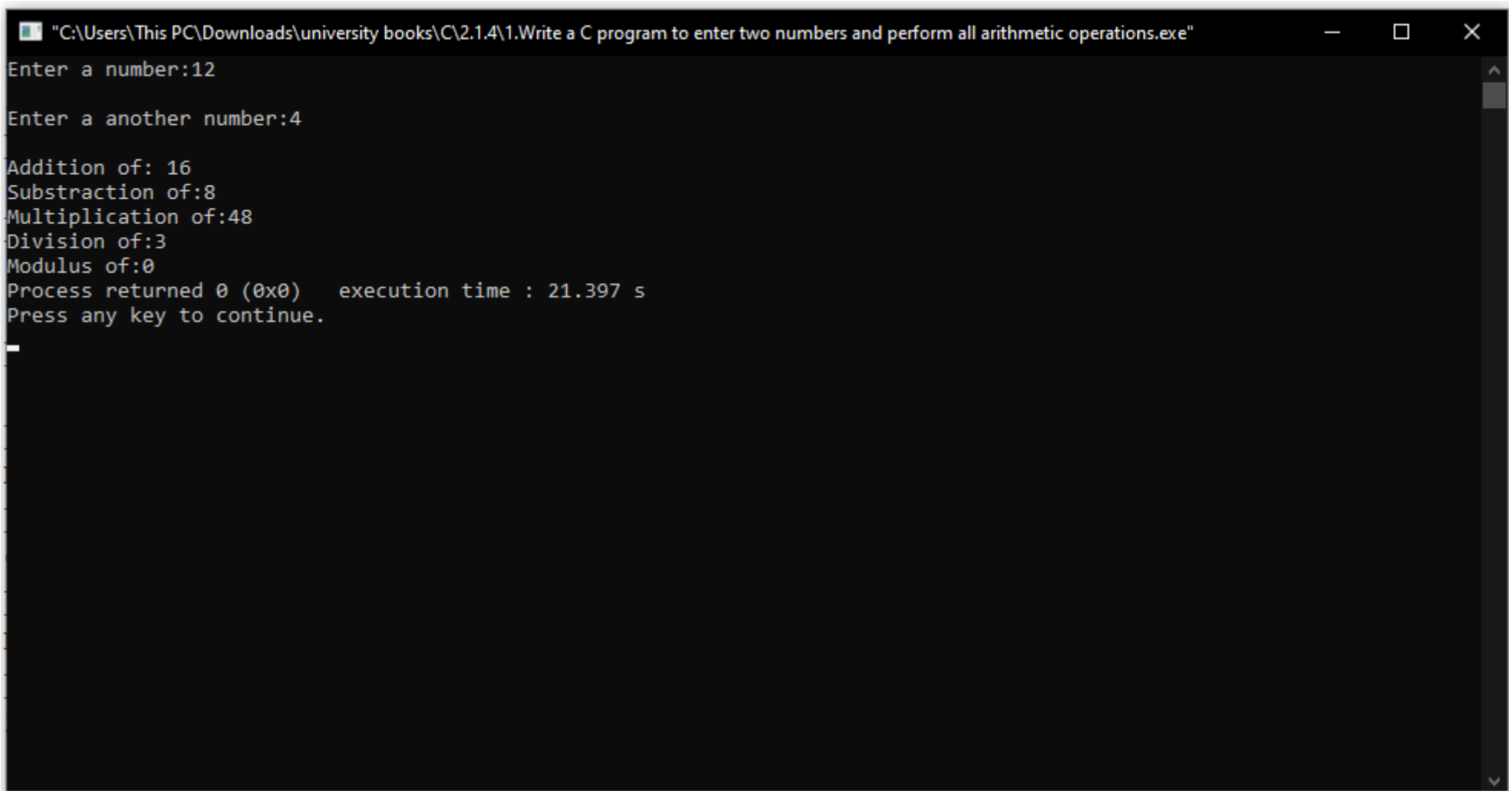
1. Write a C program to enter two numbers and perform all arithmetic operations.

Start here | 1.Write a C program to enter two numbers and perform all arithmetic operations.c

```c
#include<stdio.h>
int main()
{
    int a,b,sum,sub,multi,div;
    float mod;
    printf("Enter a number:");
    scanf("%d",&a);
    printf("\nEnter a another number:");
    scanf("%d",&b);
    sum=a+b;
    printf("\nAddition of: %d",sum);
    sub=a-b;
    printf("\nSubstraction of:%d",sub);
    multi=a*b;
    printf("\nMultiplication of:%d",multi);
    div=a/b;
    printf("\nDivision of:%d",div);
    mod=a%b;
    printf("\nModulus of:%d",mod);
    return 0;
}

```

Output:


"C:\Users\This PC\Downloads\university books\C\2.1.4\1.Write a C program to enter two numbers and perform all arithmetic operations.exe"
Enter a number:12
Enter a another number:4
Addition of: 16
Substraction of:8
Multiplication of:48
Division of:3
Modulus of:0
Process returned 0 (0x0)   execution time : 21.397 s
Press any key to continue.

2. Write a C Program to Calculate Area and Circumference of Circle.

2.Write a C Program to Calculate the Area and Circumference of Circle.c

```c
#include<stdio.h>
int main()
{    float area,rad;
     printf("Enter the radius Circle:");
     scanf("%f",&rad);
     area=3.1416*rad*rad;
     printf("The Area of circle:%f",area);
     return 0;

}

```

Output:


"C:\Users\This PC\Downloads\university books\C\2.1.4\2.Write a C Program to Calculate the Area and Circumference of Circle.exe"
Enter the radius Circle:13
The Area of circle:530.930420
Process returned 0 (0x0)   execution time : 10.692 s
Press any key to continue.

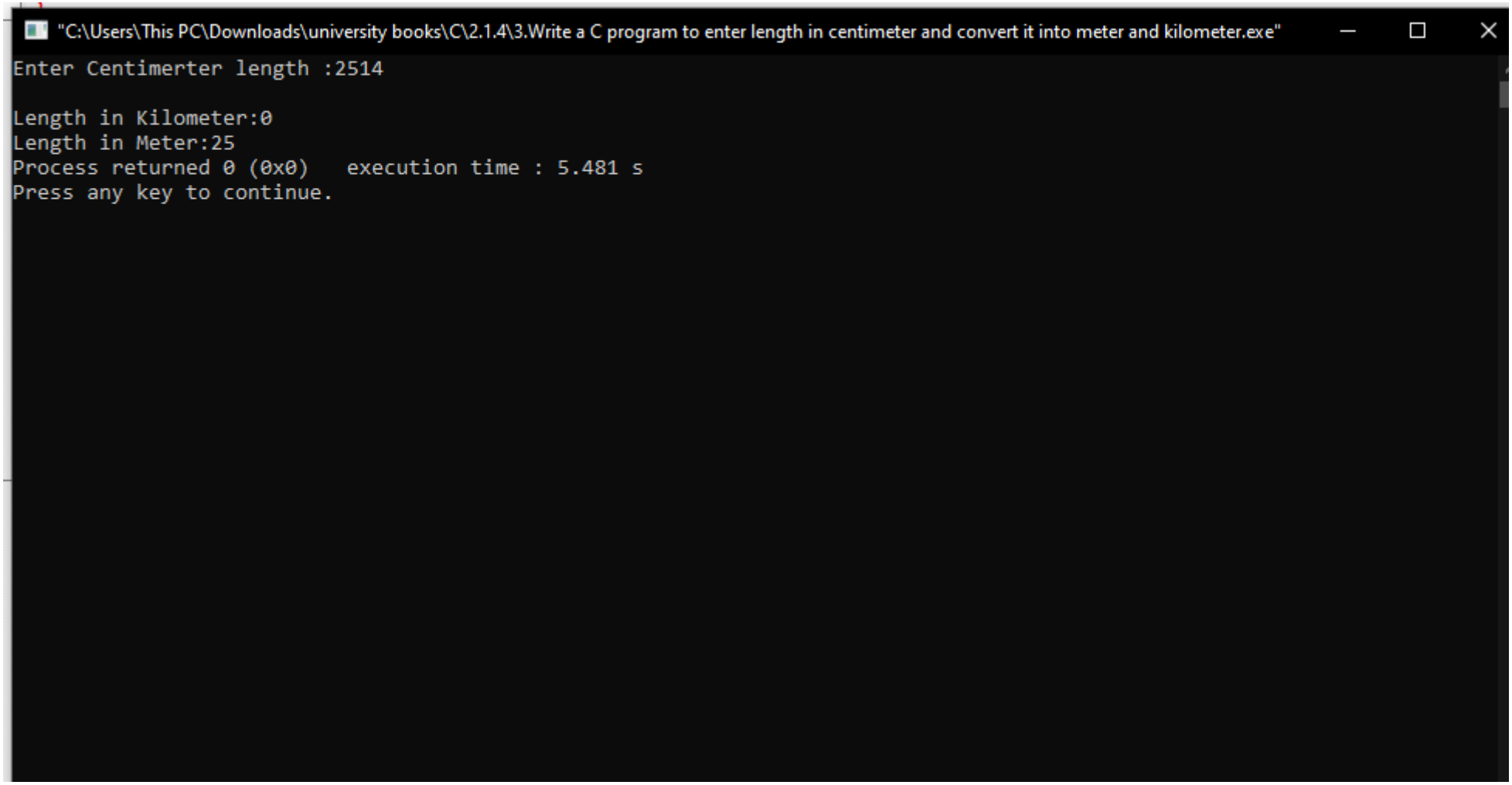
3. Write a C program to enter length in centimeter and convert it into meter and kilometer.

3.Write a C program to enter length in centimeter and convert it into meter and kilometer.c

```c
#include<stdio.h>
int main()
{
 int c,km,m;
 printf("Enter Centimerter length :");
 scanf("%d",&c);
 km=.00001*c;
 printf("\nLength in Kilometer:%d",km);
 m=0.01*c;
 printf("\nLength in Meter:%d",m);
return 0;

}
```

Output:


"C:\Users\This PC\Downloads\university books\C\2.1.4\3.Write a C program to enter length in centimeter and convert it into meter and kilometer.exe"
Enter Centimerter length :2514
Length in Kilometer:0
Length in Meter:25
Process returned 0 (0x0)   execution time : 5.481 s
Press any key to continue.

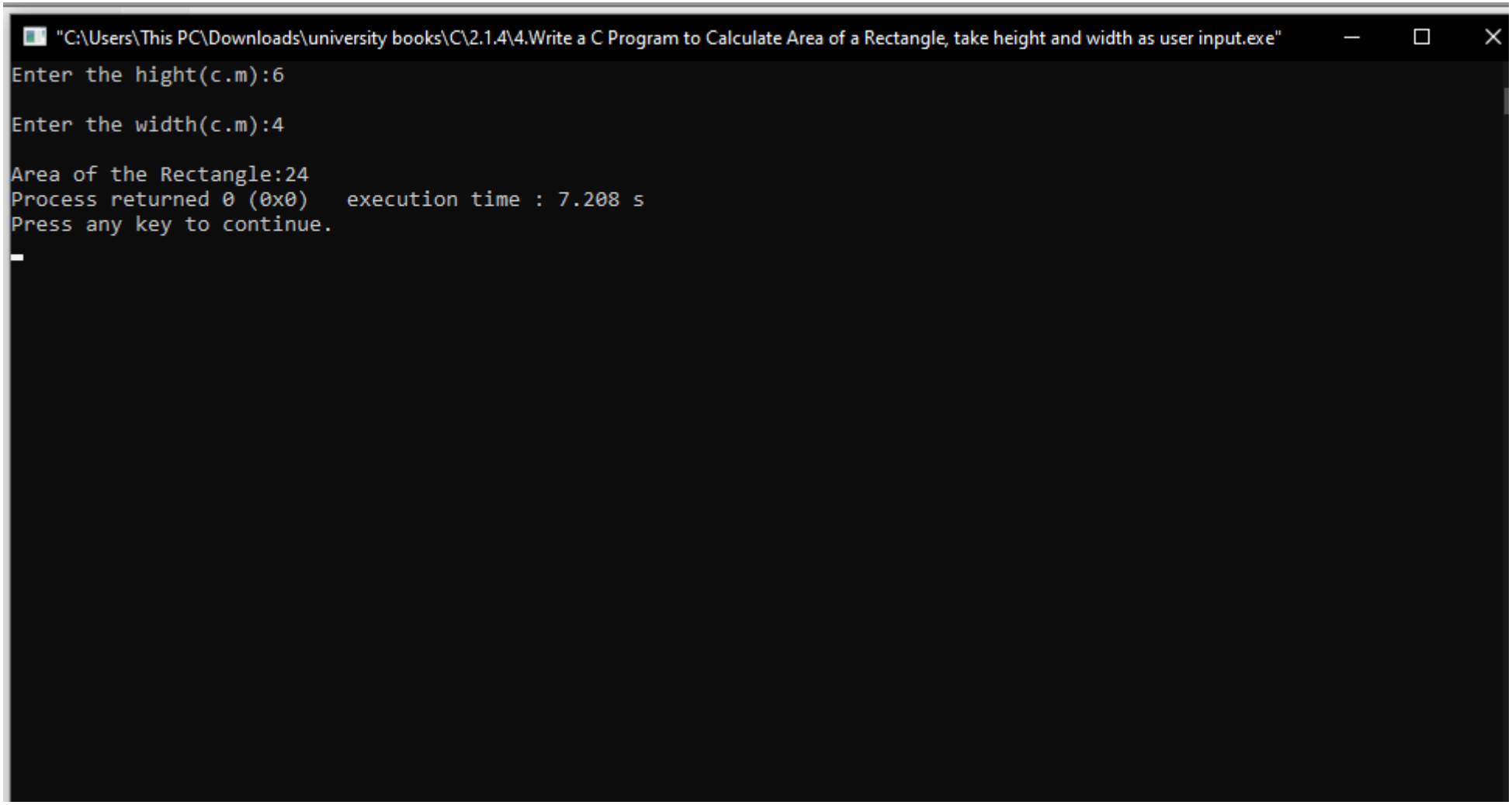
4. Write a C Program to Calculate Area of a Rectangle, take height and width as user input.

4.Write a C Program to Calculate Area of a Rectangle, take height and width as user input.c

```c
#include<stdio.h>
int main()
{
    int x,y,z;
    printf("Enter the hight(c.m):");
    scanf("%d",&x);
    printf("\nEnter the width(c.m):");
    scanf("%d",&y);
    z=x*y;
    printf("\nArea of the Rectangle:%d",z);

    return 0;
}
```

Output:


"C:\Users\This PC\Downloads\university books\C\2.1.4\4.Write a C Program to Calculate Area of a Rectangle, take height and width as user input.exe"
Enter the hight(c.m):6
Enter the width(c.m):4
Area of the Rectangle:24
Process returned 0 (0x0)   execution time : 7.208 s
Press any key to continue.

5. Write a C Program to Calculate Area of a Square, take length of one side as user input.

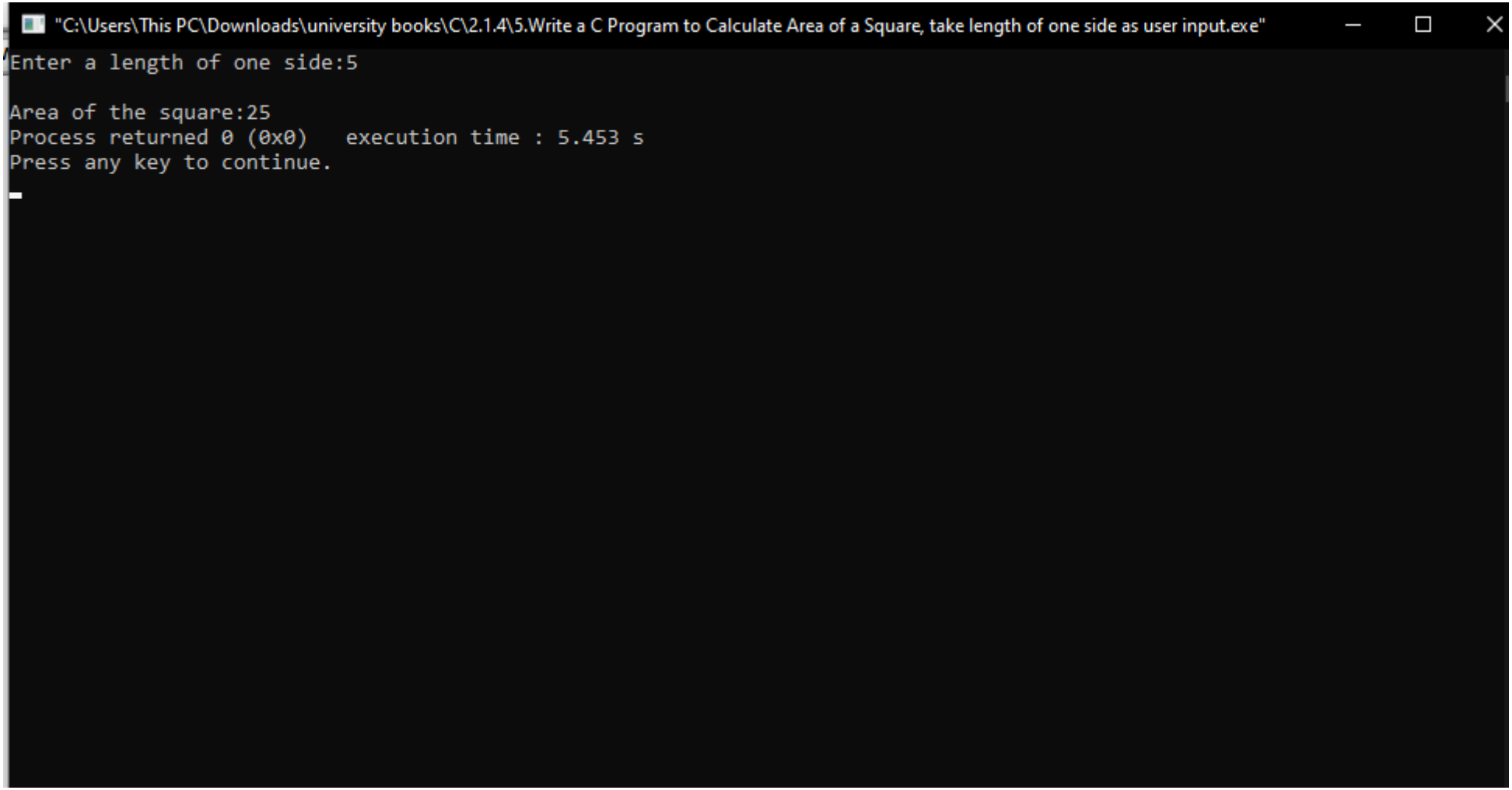
5.Write a C Program to Calculate Area of a Square, take length of one side as user input.c

```c
#include<stdio.h>
int main()
{
    int a,b;
    printf("Enter a length of one side:");
    scanf("%d",&a);
    b=a*a;
    printf("\nArea of the square:%d",b);

    return 0;
}

```

Output:

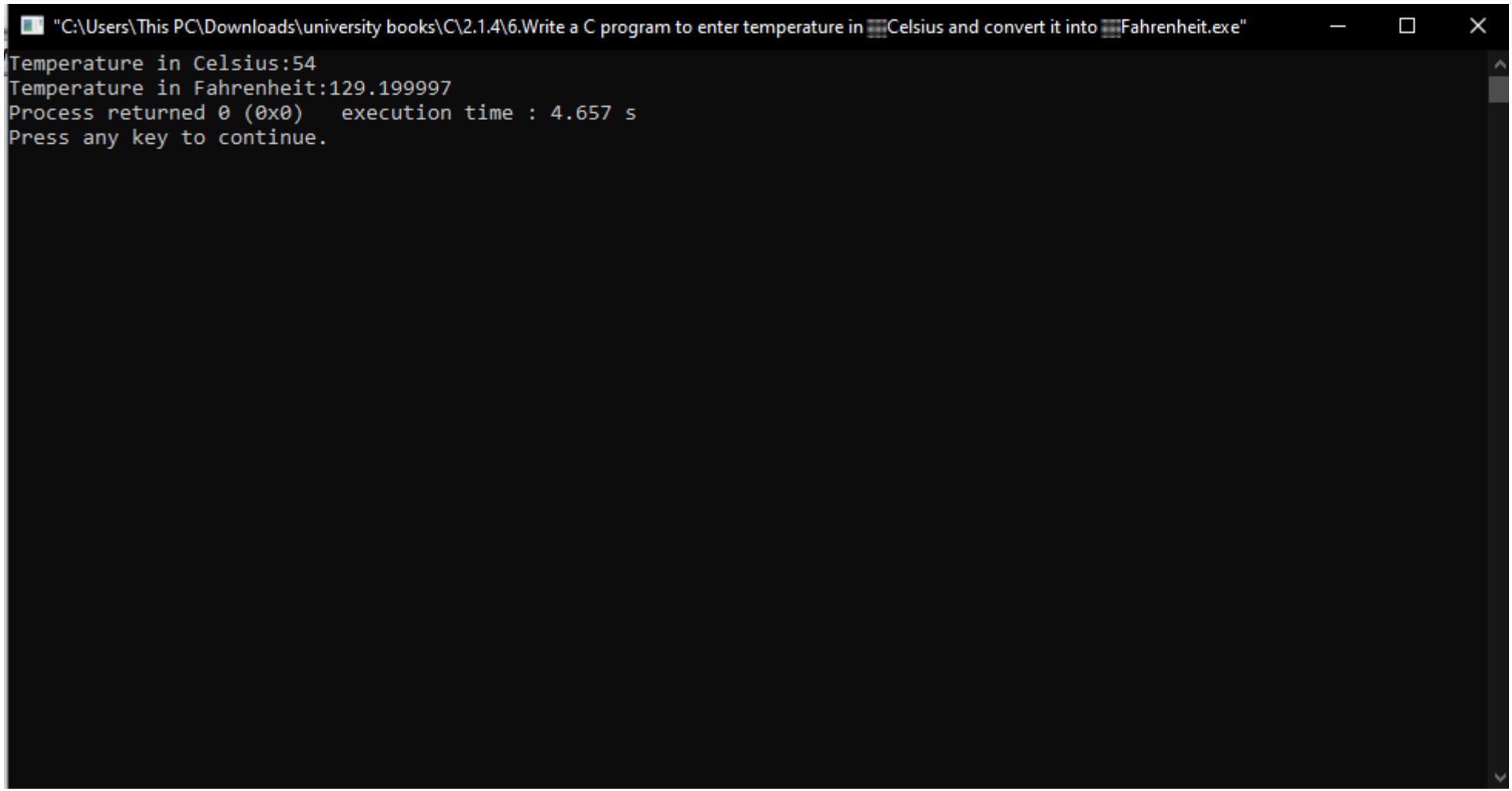

"C:\Users\This PC\Downloads\university books\C\2.1.4\5.Write a C Program to Calculate Area of a Square, take length of one side as user input.exe"
Enter a length of one side:5
Area of the square:25
Process returned 0 (0x0)   execution time : 5.453 s
Press any key to continue.

6. Write a C program to enter temperature in °Celsius and convert it into °Fahrenheit.

6.Write a C program to enter temperature in °Celsius and convert it into °Fahrenheit.c

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

Output:

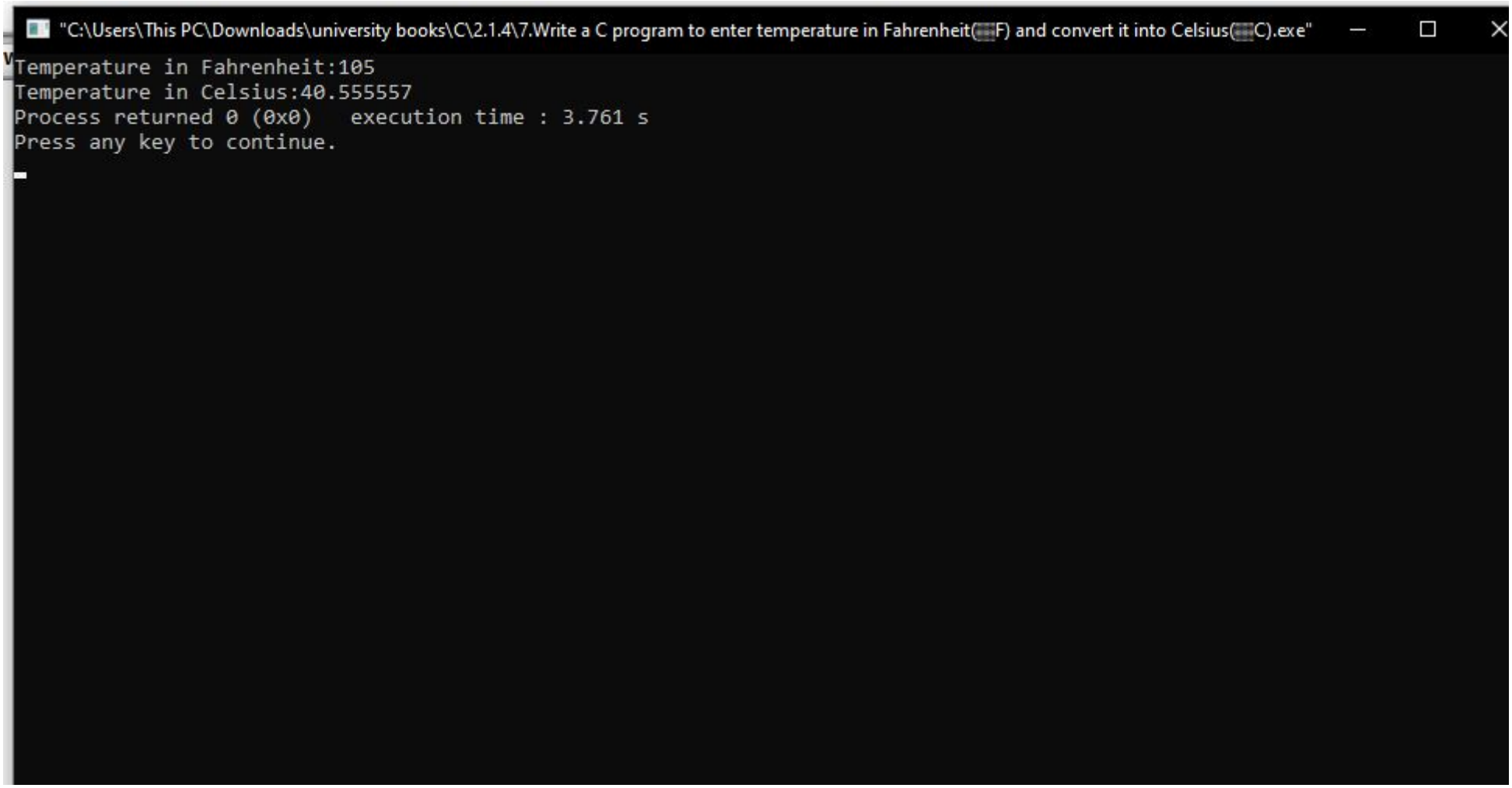

"C:\Users\This PC\Downloads\university books\C\2.1.4\6.Write a C program to enter temperature in Celsius and convert it into Fahrenheit.exe"
Temperature in Celsius:54
Temperature in Fahrenheit:129.199997
Process returned 0 (0x0)   execution time : 4.657 s
Press any key to continue.

7. Write a C program to enter temperature in Fahrenheit(°F) and convert it into Celsius(°C).

7.Write a C program to enter temperature in Fahrenheit(°F) and convert it into Celsius(°C).c

```c
#include<stdio.h>
int main()
{
    float c,f;
    printf("Temperature in Fahrenheit:");
    scanf("%f",&f);
    c=(((5*f)-160)/9);
    printf("Temperature in Celsius:%f",c);
    return 0;
}
```

Output:


"C:\Users\This PC\Downloads\university books\C\2.1.4\7.Write a C program to enter temperature in Fahrenheit(F) and convert it into Celsius(C).exe"
Temperature in Fahrenheit:105
Temperature in Celsius:40.555557
Process returned 0 (0x0)   execution time : 3.761 s
Press any key to continue.

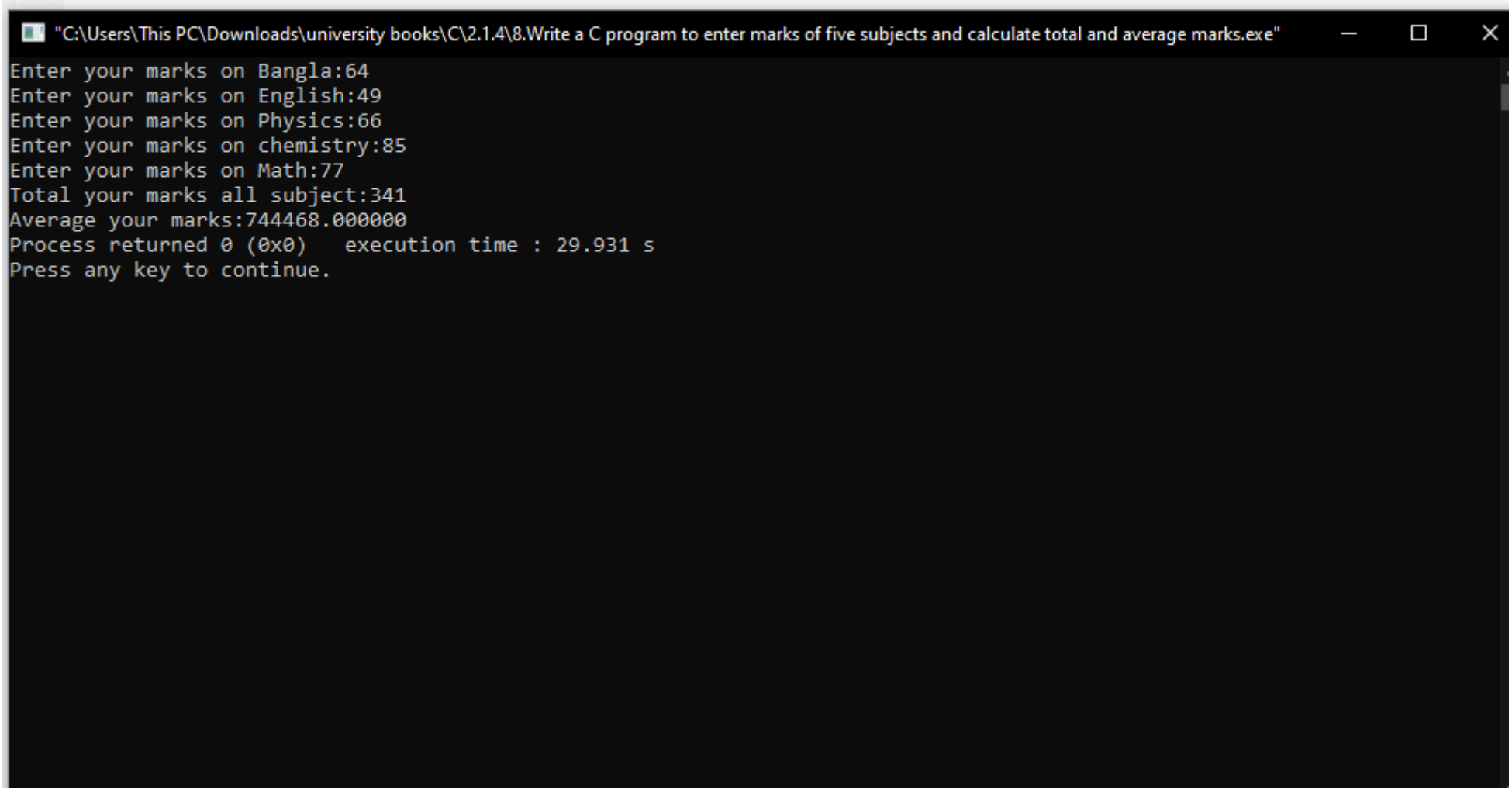
8. Write a C program to enter marks of five subjects and calculate total and average marks.

8.Write a C program to enter marks of five subjects and calculate total and average marks.c

```c
#include<stdio.h>
int main()
{
    int b,e,p,c,m,total;
    float avg;
    printf("Enter your marks on Bangla:");
    scanf("%d",&b);
    printf("Enter your marks on English:");
    scanf("%d",&e);
    printf("Enter your marks on Physics:");
    scanf("%d",&p);
    printf("Enter your marks on chemistry:");
    scanf("%d",&c);
    printf("Enter your marks on Math:");
    scanf("%d",&m);
    total=b+e+p+c+m;
    printf("Total your marks all subject:%d",total);
    avg=(total/5);
    printf("\nAverage your marks:7444%f",avg);
    return 0;

}
```

Output:


"C:\Users\This PC\Downloads\university books\C\2.1.4\8.Write a C program to enter marks of five subjects and calculate total and average marks.exe"
Enter your marks on Bangla:64
Enter your marks on English:49
Enter your marks on Physics:66
Enter your marks on chemistry:85
Enter your marks on Math:77
Total your marks all subject:341
Average your marks:744468.000000
Process returned 0 (0x0)   execution time : 29.931 s
Press any key to continue.