


```
#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:\Users\HP\Desktop\1.exe

ENTER THE FIRST NUMBER :

24

ENTER THE SECOND NUMBER :

23

SUM IS : 47

Process exited after 15.09 seconds with return value 0

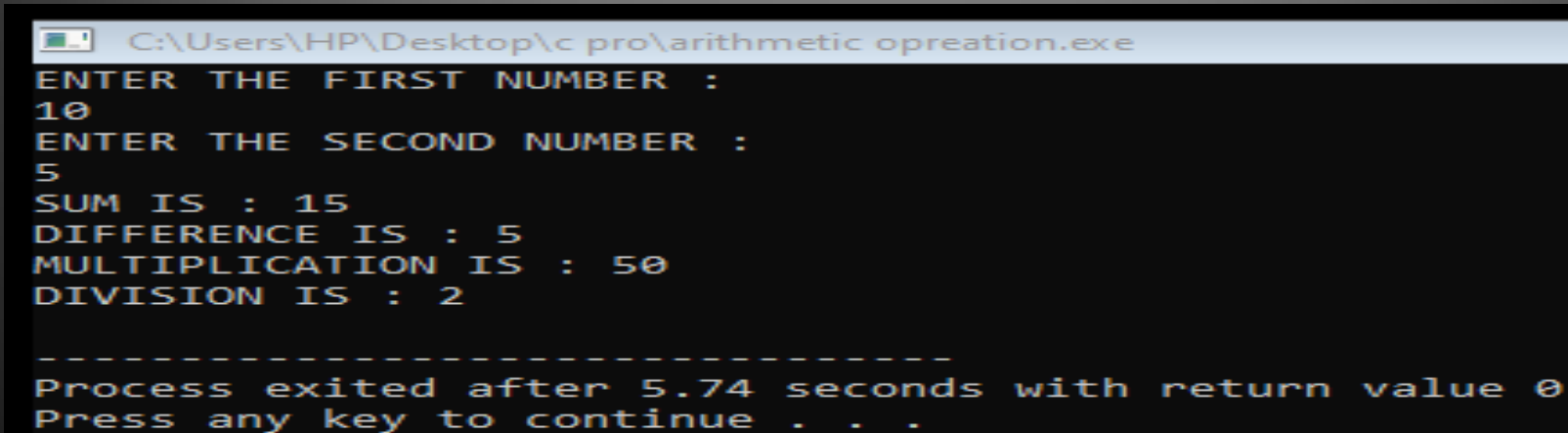
Press any key to continue . . .

```
# include<stdio.h>

int main() {

    // ENTER TWO NUMBER AND PERFORM ARITHMETIC OPERATIONS 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:\Users\HP\Desktop\c pro\perimeter of rectangle.exe

ENTER THE LENGTH OF RECTANGLE :

2

ENTER BREADTH OF RECTANGLE :

2

PERIMETER OF RECTANGLE IS : 8

Process exited after 18.95 seconds with return value 0
Press any key to continue . . .

```
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 :

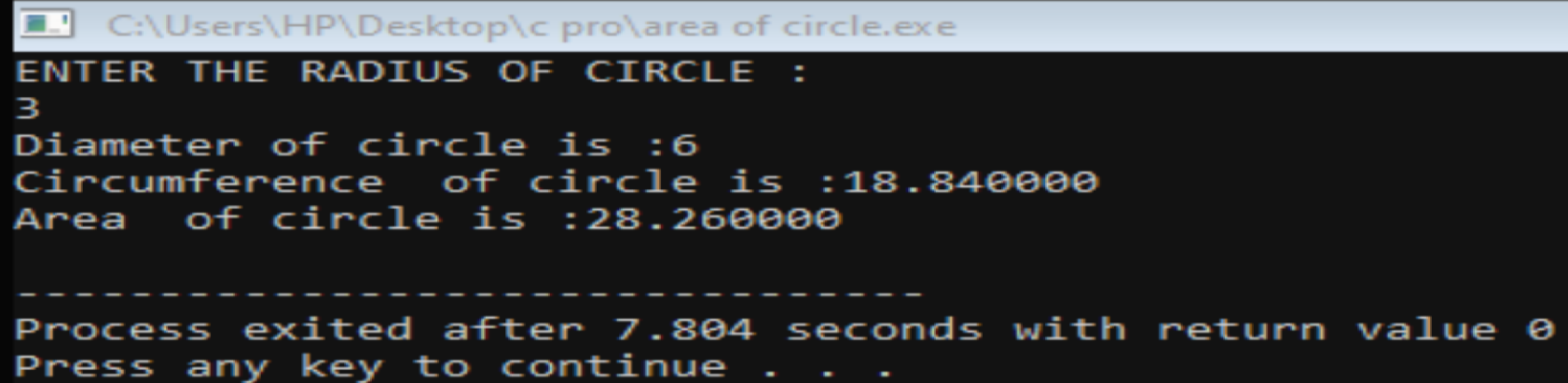
9

AREA OF RECTANGLE IS : 27

Process exited after 3.559 seconds with return value 0

Press any key to continue . . .

```
#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 ;
}
```



The screenshot shows a Windows command prompt window titled "C:\Users\HP\Desktop\c pro\area of circle.exe". The program prompts the user to "ENTER THE RADIUS OF CIRCLE :", and the user enters "3". The program then outputs the following results:

- Diameter of circle is :6
- Circumference of circle is :18.840000
- Area of circle is :28.260000

After a dashed line separator, the program displays "Process exited after 7.804 seconds with return value 0" and "Press any key to continue . . .".

```
#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:\Users\HP\Desktop\c pro\convert length.exe

ENTER THE LENGTH IN CENTIMETER

124

Length in meters is : 1.240000

Length in kilometer is : 0.001240

Process exited after 4.911 seconds with return value 0

Press any key to continue . . .

```
# 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:\Users\HP\Desktop\c pro\c to f.exe

Enter the temperature in celsius:

12

Temperature in fahrenheit is: 53.599998

Process exited after 2.789 seconds with return value 0

Press any key to continue . . .

```
#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:\Users\HP\Desktop\c pro\f to c.exe

Enter the temperature in fahrenheit:

125

Temperature in celsius is: 51.666668

Process exited after 70.87 seconds with return value 0

Press any key to continue . . .


```
# 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:\Users\HP\Desktop\c pro\power program.exe

enter the base number:

2

enter the exponent:

2

2 to the power of 2 is=4

Process exited after 4.327 seconds with return value 0
Press any key to continue . . .

```
# 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 ;
}
```

 C:\Users\HP\Desktop\c pro\squareroot.exe

enter the number:

4

square root of 4.000000 is=2.000000

Process exited after 1.833 seconds with return value 0

Press any key to continue . . .

```
# 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");
```

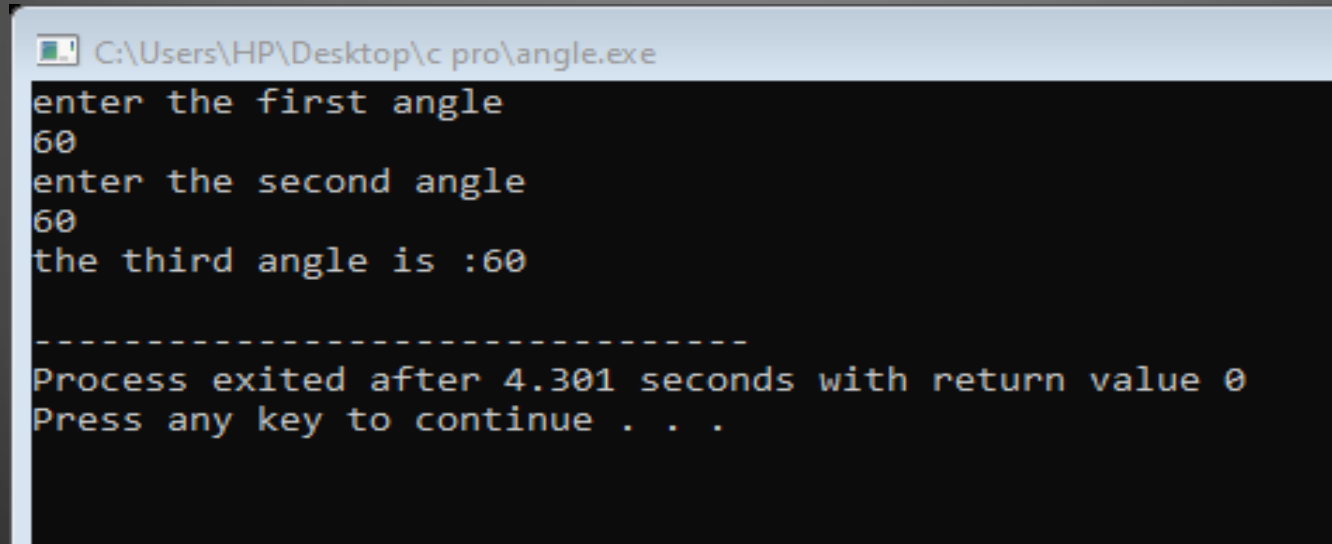
```
    scanf("%d",&b);
```

```
    c=180-(a+b);
```

```
    printf("the third angle is :%d\n",c);
```

```
    return 0 ;
```

```
}
```



```
C:\Users\HP\Desktop\c pro\angle.exe
enter the first angle
60
enter the second angle
60
the third angle is :60

-----
Process exited after 4.301 seconds with return value 0
Press any key to continue . . .
```

```
# 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");
```

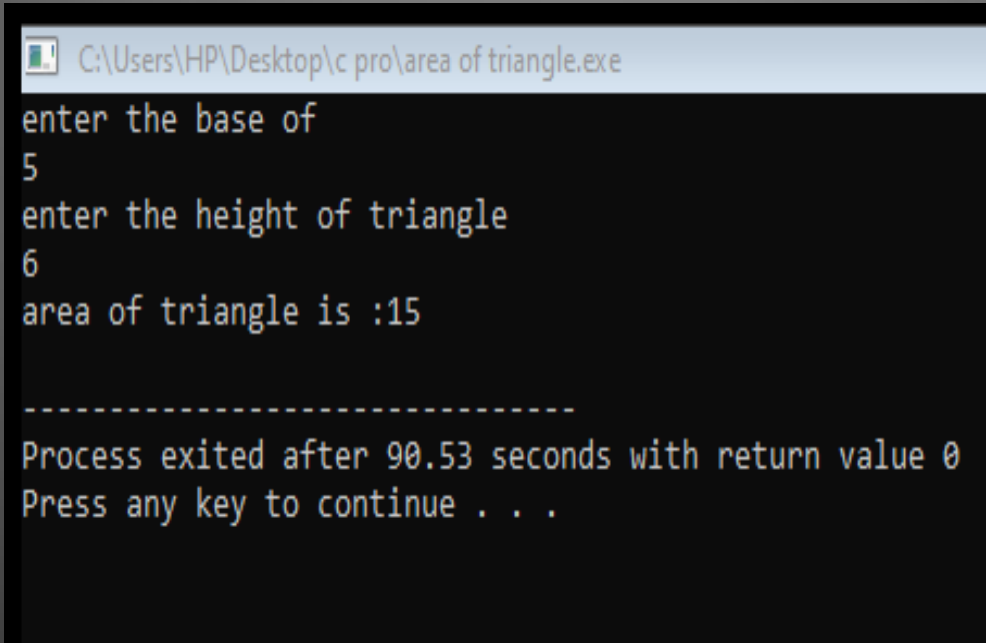
```
    scanf("%d",&b);
```

```
    c=0.5*a*b;
```

```
    printf("area of triangle is :%d\n",c);
```

```
    return 0 ;
```

```
}
```



C:\Users\HP\Desktop\c pro\area of triangle.exe

enter the base of

5

enter the height of triangle

6

area of triangle is :15

Process exited after 90.53 seconds with return value 0

Press any key to continue . . .

```
# 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:\Users\HP\Desktop\c pro\area of triangle.exe

enter the side of triangle

5

area of triangle is :10.812500

Process exited after 2.033 seconds with return value 0

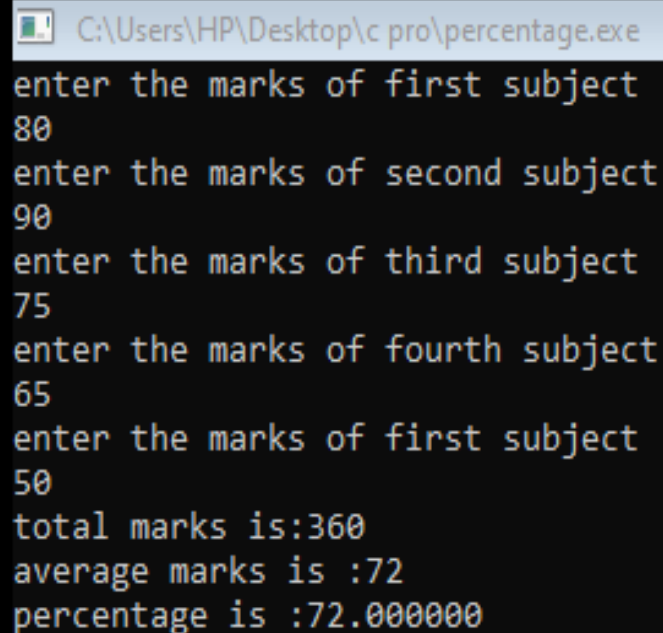
Press any key to continue . . .

```

#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 . . .


```

```
# 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 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:\Users\HP\Desktop\c pro\compound interest.exe

enter the principle value

10000

enter the rate

5

enter the time

2

Compound Interest is : 1024.999023

Process exited after 33.25 seconds with return value 0

Press any key to continue . . .


```
#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\t Coding is Fun !\n\n\n");
```

```
    return 0;
```

```
}
```

C:\Users\HP\Desktop\c pro\basic datatypes.exe

hello everyone - how are u

Enter two numbers number

2
2

The two numbers You have entered are 2 and 2

Enter a Decimal number

2.2

The float or fraction that you have entered is 2.200000

Enter a Character

The character that you have entered is

Coding is Fun !

Process exited after 12.45 seconds with return value 0
Press any key to continue . . .

```
#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;
}
```

 C:\Users\HP\Desktop\c pro\convert days.exe

enter the number of days

1329

Years: 3 Weeks: 33 Days: 3

Process exited after 3.499 seconds with return value 0

Press any key to continue . . .