

## Experiment No-1

**Aim:** Write a program in C++ to calculate area of circle.

**Program:**

```
#include<iostream.h>

#include<conio.h>

void main()

{

clrscr();

float r,area;

cout<<"\n enter radius";

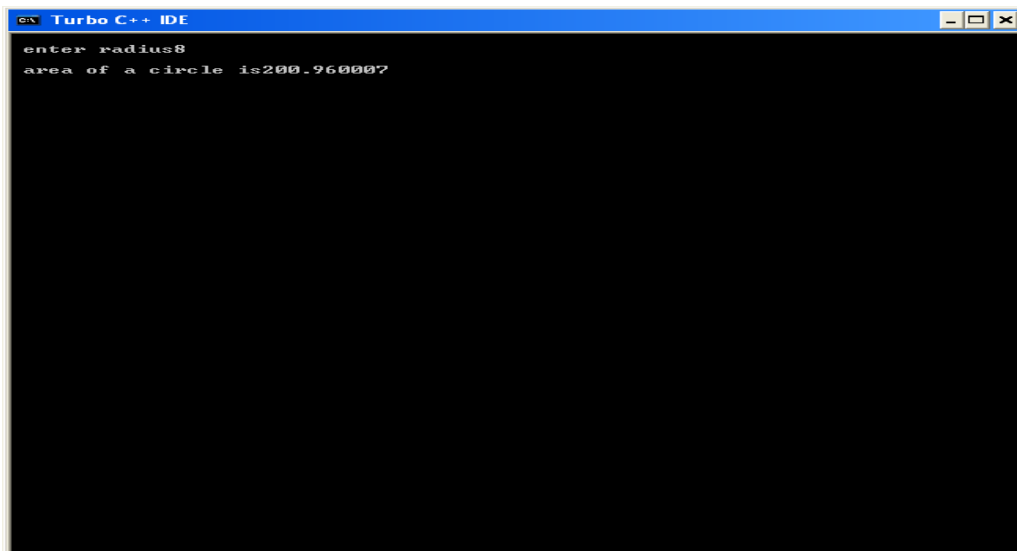
cin>>r;

area=3.14*r*r;

cout<<"\n area of a circle is"<<area;

getch();

}
```



```
Turbo C++ IDE
enter radius8
area of a circle is200.960007
```

## Experiment No-2

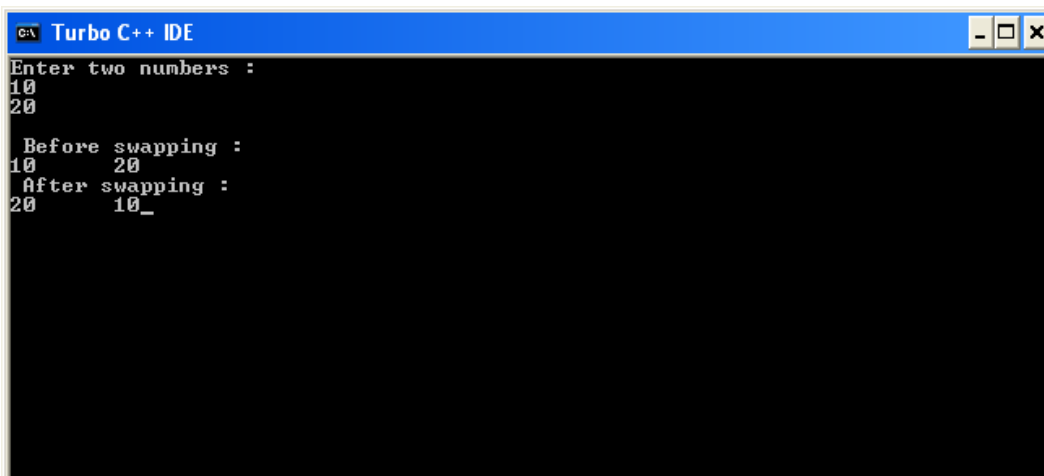
**Aim :** Write a program in C++ to swap two values.

**Program :**

```
#include<iostream.h>
#include<conio.h>
void main()
{
clrscr();
int n1,n2;
cout<<"Enter two numbers : \n";
cin>>n1>>n2;
cout<<"\n Before swapping : \n" ;
cout<<n1<<"\t"<<n2;

int temp;
temp=n1;
n1=n2;
n2=temp;
cout<<"\n After swapping : \n"<<n1<<"\t"<<n2;
getch();
}
```

Output :



```
Turbo C++ IDE
Enter two numbers :
10
20

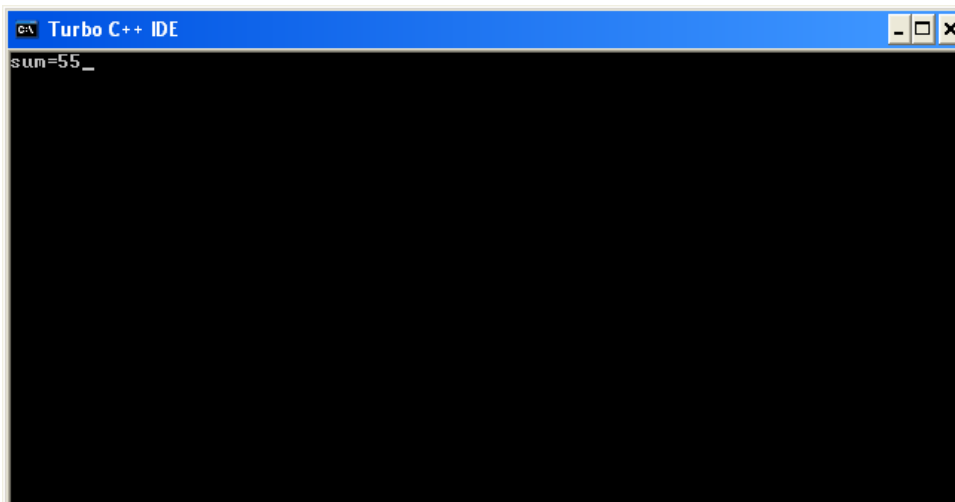
Before swapping :
10      20
After swapping :
20      10_
```

### Experiment No-3

**Aim :** Write a program in C++ to print addition of 1 to 10 numbers using loop.

**Program:**

```
#include<iostream.h>
#include<conio.h>
void main()
{
clrscr();
int d,sum=0;
d=1;
while(d<=10)
{
sum=sum+d;
d=d+1;
}
cout<<"sum="<<sum;
getch();
}
```



The screenshot shows a window titled "Turbo C++ IDE" with a black background. The text "sum=55\_" is displayed in the top left corner of the window, indicating the output of the program. The window has standard Windows-style window controls (minimize, maximize, close) in the top right corner.

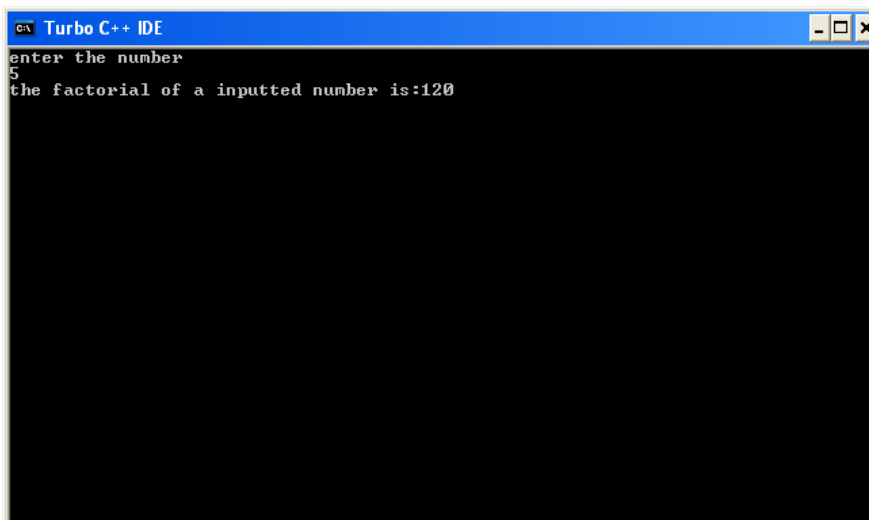
## Experiment No-4

**Aim :**Write a program in C++ to print factorial of a number.

**Program:**

```
#include<iostream.h>
#include<conio.h>
void main()
{
clrscr();
int fact,n,i;
fact=1;
cout<<"enter the number"<<endl;
cin>>n;
for(i=1;i<=n;i++)
{
fact=fact*i;
}
cout<<"the factorial of a inputted number is:"<<fact;
getch();
}
```

Output:



The screenshot shows a Turbo C++ IDE window with a black background. The text displayed is as follows:

```
enter the number
5
the factorial of a inputted number is:120
```

## Experiment No-5

Aim : Create an application in VB for all arithmetic operations.

Program :

```
Private Sub Command1_Click()  
Dim n1, n2, ans As Integer  
n1 = Val(Text1.Text)  
n2 = Val(Text2.Text)  
ans = n1 + n2  
Label4.Caption = "Sum of numbers = " & ans  
End Sub
```

```
Private Sub Command2_Click()  
Dim n1, n2, ans As Integer  
n1 = Val(Text1.Text)  
n2 = Val(Text2.Text)  
ans = n1 - n2  
Label4.Caption = "Substraction of numbers = " & ans  
End Sub
```

```
Private Sub Command3_Click()  
Dim n1, n2, ans As Integer  
n1 = Val(Text1.Text)  
n2 = Val(Text2.Text)  
ans = n1 * n2  
Label4.Caption = "Multiplication of numbers = " & ans  
End Sub
```

```
Private Sub Command4_Click()  
Dim n1, n2, ans As Integer  
n1 = Val(Text1.Text)  
n2 = Val(Text2.Text)  
ans = n1 / n2  
Label4.Caption = "division of numbers = " & ans  
End Sub
```

Output :

**Arithmetic operations**

Enter 1st number

5

Enter 2nd number

2

+

-

\*

/

Sum of numbers = 7

## Experiment No-6

Aim : Create an application in VB to change the color of the shape

Program :

```
Private Sub Option1_Click()  
Shape1.FillColor = vbRed  
End Sub
```

```
Private Sub Option2_Click()  
Shape1.FillColor = vbGreen  
End Sub
```

Output :

