

/*FACTORIAL*/

```
#include<iostream.h>
#include<conio.h>
int fact(int);
void main()
{
    int n,result;
    clrscr();
    cout<<"Enter the number";
    cin>>n;
    result=fact(n);
    cout<<"The factorial of"<<n<<" is= "<<result;
    getch();
}

int fact(int y)
{
    int f;
    if(y==1)
    {
        return(y);
    }
    else
    {
        return(y*fact(y-1));
    }
}
```

The output of the above program is:-

Enter the number5

The factorial of5 is= 120

