

PROGRAM 5:

```
#include<stdio.h>

int n;

int f1(int);

void main()
{
    int res;

    printf("\n enter the number\t");
    scanf("%d",&n);
    res=f1(n);
    printf("\n Factorial=%d",res);
}

int f1(n)
{
    if(n==1)
        return(n);
    else
        return(n*f1(n-1));
}
```

OUTPUT:

```
C:\Users\A.V.NAGA KAVYA\Documents\ds5.exe
enter the number      5
Factorial=120
-----
Process exited after 2.839 seconds with return value 15
Press any key to continue . . .
```