

```
/**factorial by using function*/
```

```
#include<stdio.h>
```

```
int fact(int);
```

```
int main()
```

```
{
```

```
    int n,p;
```

```
    printf("enter the value of n\n");
```

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

```
    p=fact(n);
```

```
    printf("result:%d",p);
```

```
    return 0;
```

```
}
```

```
int fact(int x)
```

```
{
```

```
    if(x==0 || x==1)
```

```
        return 1;
```

```
    else
```

```
        return x*fact(x-1);
```

```
}
```

```
C:\Users\HP\OneDrive\Documents\factorial by using function.exe
enter the value of n
5
120
-----
Process exited after 2.691 seconds with return value 0
Press any key to continue . . .
```