65010495 ธีรุตม์ เอี้ยวสกุลรัตน์ week4

```c
//จงเขียนฟังก์ชั่น factorial (Level 3)

#include <stdio.h>
long int factorial(int n)
{
  if (n == 0)
  {
    return 1;
  }
  return n * factorial(n - 1);
}

int main()
{
  int n;
  printf("Enter a Number to Find Factorial: ");
  scanf("%d", &n);
  printf("%d! = %d",n, factorial(n));
  return 0;
}
```
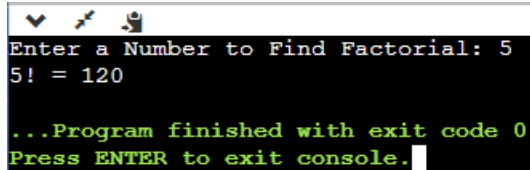
```
                        %ld
Enter a Number to Find Factorial: 5
5! = 120

...Program finished with exit code 0
Press ENTER to exit console.
```

```
//จงเขียนฟังก์ชั่น factorial (Level 3)

#include<stdio.h>
int main()
{
int n, i, fact = 1;
printf("Enter a Number to Find Factorial: ");
scanf("%d",&n);

if (n < 0)
printf("Error! You have entered negative number and Factorial for negative number
does not exist.");
else
{
for(i = 1; i <= n; ++i)
{
fact =fact*i;
}
printf("%d! = %d", n, fact);
}
return 0;
}
```

```
Enter a Number to Find Factorial: 5
5! = 120

...Program finished with exit code 0
Press ENTER to exit console.
```