

Problem Set 2 Exercise #06: Factorial

Reference: Lecture 5 notes

Learning objective: Repetition statements

Estimated completion time: 15 minutes

Problem statement:

Write a program **factorial.c** to read in a positive integer n and compute $n!$.

Mathematically

$$n! = 1 * 2 * 3 * \dots * n$$

Sample run #1:

```
Enter n: 1
1
```

Sample run #2:

```
Enter n: 4
24
```

Sample run #3:

```
Enter n: 10
3628800
```