Write a program that performs the following tasks:

Input an integer number n, where $0 < n < 10$ (If $n \le 0$ or $n >= 10$ then prompt a user to re-enter).

Then calculate $S = 1 * 2 * 3 * ... * n = n!$

```
Enter n: 0
Enter n: 10
Enter n: 4
4! = 24
--------------------------------
Process exited after 3.904 seconds with return value 0
Press any key to continue . . .
```

```
Enter n: -1
Enter n: 20
Enter n: 6
6! = 720
--------------------------------
Process exited after 10.54 seconds with return value 0
Press any key to continue . . .
```

```
Enter n: 9
9! = 362880
--------------------------------
Process exited after 1.787 seconds with return value 0
Press any key to continue . . .
```

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