Programming Project 6

In mathematics, the notation `n!` represents the factorial of the nonnegative integer `n`. The factorial of `n` is the product of all the nonnegative integers from `1` to `n`. For example:

`7! = 1 x 2 x 3 x 4 x 5 x 6 x 7 = 5,040`

Write a program that lets the user enter a nonnegative integer and then uses a loop to calculate the factorial of that number. Display the factorial.

Answer

```
n = int(input("Enter a nonnegative integer:"))
fact = 1

for num in range(1, n + 1):
    fact = fact * num

print(fact)
```