

# Euler 0020

## The Problem:

What is the sum of the digits of 100! where  $n!$  means  $1 \times 2 \times 3 \times 4 \times \dots \times n$ ?

## Considerations and Approach:

For Python this is trivial to produce 100! and then take the sum of the digits by converting to a string and back.

## The Code:

```
import math

factorial = 100

number = sum([int(x) for x in str(math.factorial(factorial))])

print(number)
```

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