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Solution: While Loops Practice

Solution: Factorials with While Loops

Here is our solution for this one:

```
## number to find the factorial of
number = 6
## start with our product equal to one
product = 1
## track the current number being multiplied
current = 1

while current <= number:
    # multiply the product so far by the current number
    product *= current
    # increment current with each iteration until it reaches number
    current += 1

## print the factorial of number
print(product)
```

Solution: Factorials with For Loops

Here is our solution for this one, using a `for` loop to find the factorial of a number:

```
## number we'll find the factorial of
number = 6
## start with our product equal to one
product = 1

## calculate factorial of number with a for loop
for num in range(2, number + 1):
    product *= num

## print the factorial of number
print(product)
```

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