Solution: Water Falls

Here is our solution for this one:

```
print_str = "Water falls"

# initialize a counting variable "i" to 0 - you'll use this to track which character o
f the string you're on
i = 0
# write while loop header line, comparing "i" to the length of the string
while i < len(print_str):
     # here in the body of the loop, print out the current character from the string
    print(print_str[i])
    # increment your counter variable in the body of the loop, so you don't loop forev
er!
    i += 1
```

Solution: Factorials with While Loops

Here is our solution for this one:

Solution: While Loops

```
# We'll always start with our product equal to the number
product = number

# Write while loop header line - how will you tell it when to stop looping?
while  number > 1:
    # Each time through the loop, what do we want to do to our number?
    number -= 1
    # Each time, what do we want to multiply the current product by?
    product *= number
# Print out final product (how do we indicate this should happen after loop ends?)
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:

```
# This is the number we'll find the factorial of - change it to test your code!
number = 6
# We'll start with the product equal to the number
product = number

# Write a for loop that calculates the factorial of our number
for num in range(1, number):
    product *= num

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

NEXT

Solution: While Loops