

```
# Reverse order series using while loop
n = 10
while n > 0:
    print(n)
    n -= 1
```

```
→ 10
   9
   8
   7
   6
   5
   4
   3
   2
   1
```

```
# Break statement in while loop
x = 1
while x <= 10:
    if x == 5:
        print("Breaking loop at", x)
        break
    print(x)
    x += 1
```

```
→ 1
   2
   3
   4
   Breaking loop at 5
```

```
# Iterate through each character of "Python"
string = "Python"
i = 0
while i < len(string):
    print(string[i])
    i += 1
print("Length of string:", len(string))
```

```
→ P
   y
   t
   h
   o
   n
   Length of string: 6
```

```
# Factorial calculation using while loop
num = int(input("Enter a number to calculate its factorial: "))
factorial = 1
counter = num
while counter > 0:
    factorial *= counter
    counter -= 1
print(f"Factorial of {num} is {factorial}")
```

```
→ Enter a number to calculate its factorial: 4
   Factorial of 4 is 24
```

