```
n = 10  # Example: print numbers from 10 to 1
while n > 0:
    print(n)
    n -= 1
```

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

```
i = 1
while i <= 10:
    if i == 5:
        print("Breaking the loop at:", i)
        break
    print(i)
    i += 1
```

```
1
2
3
4
Breaking the loop at: 5
```

```
string = "Python"
i = 0
length = 0

while i < len(string):
    print(string[i])
    length += 1
    i += 1

print("Length of the string:", length)
```

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

```
num = int(input("Enter a number: "))
factorial = 1
i = 1

while i <= num:
    factorial *= i
    i += 1

print(f"The factorial of {num} is {factorial}")
```

```
Enter a number: 5
The factorial of 5 is 120
```

```
num = int(input("Enter a number: "))
reversed_num = 0

while num > 0:
    digit = num % 10
    reversed_num = reversed_num * 10 + digit
    num //= 10
```

```
print("Reversed number:", reversed_num)
```

```
Enter a number: 12
Reversed number: 21
```

```
num = int(input("Enter a number: "))
original = num
reversed_num = 0

while num > 0:
    digit = num % 10
    reversed_num = reversed_num * 10 + digit
    num //= 10

if original == reversed_num:
    print(f"{original} is a palindrome.")
else:
    print(f"{original} is not a palindrome.")
```

```
Enter a number: 121
121 is a palindrome.
```

```
num = int(input("Enter a number: "))
factorial = 1
i = 1

while i <= num:
    factorial *= i
    i += 1

print(f"The factorial of {num} is {factorial}")
```

```
Enter a number: 3
The factorial of 3 is 6
```

```
total = 0

while True:
    num = int(input("Enter a number (0 to stop): "))
    if num == 0:
        break
    total += num

print("Sum of all numbers:", total)
```

```
Enter a number (0 to stop): 3
Enter a number (0 to stop): 8
Enter a number (0 to stop): 5
Enter a number (0 to stop): 3
Enter a number (0 to stop): 0
Sum of all numbers: 19
```

```
num = int(input("Enter a number: "))
original = num
reversed_num = 0

while num > 0:
    digit = num % 10
    reversed_num = reversed_num * 10 + digit
    num //= 10

if original == reversed_num:
    print(f"{original} is a palindrome.")
else:
    print(f"{original} is not a palindrome.")
```

```
Enter a number: 131
131 is a palindrome.
```

```
num = int(input("Enter a number: "))
original = num
sum_of_cubes = 0

while num > 0:
    digit = num % 10
    sum_of_cubes += digit ** 3
    num //= 10

if original == sum_of_cubes:
    print(f"{original} is an Armstrong number.")
else:
    print(f"{original} is not an Armstrong number.")
```

```
Enter a number: 1634
1634 is not an Armstrong number.
```

```
num = int(input("Enter a number: "))
factorial = 1
i = 1

while i <= num:
    factorial *= i
    i += 1

print(f"The factorial of {num} is {factorial}")
```

```
Enter a number: 6
The factorial of 6 is 720
```