

Sample Program 7.1

About For-loops

Problem statement. Write a code block that uses a for-loop to print to the console your name 10 times, once per line.

Solution.

```
for i in range(4):
    stars = i + 1
    for j in range(stars):
        print("*", end = "")
    print()
```

Problem statement. Write a code block that uses a for-loop to print this space-separated sequence:
0 1 2 3 4 5 6 7

Solution.

```
for i in range(8):
    print(i, " ", end = "")
print()
```

Problem statement. Write a code block that uses a for-loop to print this space-separated sequence:
11 12 13 14 15 16 17 18 19 20

Solution.

```
number = 11
for i in range(10):
    print(number, " ", end = "")
    number += 1
print()
```

Problem statement. Write a code block that uses a for-loop to print this space-separated sequence:
10 9 8 7 6 5 4 3 2 1 0

Solution.

```
number = 10
for i in range(11):
    print(number, " ", end = "")
    number -= 1
print()
```