

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 (int i = 0; i < 10; i++)
    cout << "your name" << endl;
```

Problem statement. Write a code block that uses a for-loop to print this space-separated sequence:
01234567

Solution.

```
for (int i = 0; i < 8; i++)
    cout << i << ' ';
cout << endl;
```

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.

```
int number = 11;
for (int i = 0; i < 10; i++)
{
    cout << number << ' ';
    number++;
}
cout << endl;
```

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.

```
int number = 10;
for (int i = 0; i < 11; i++)
{
    cout << number << ' ';
    number--;
}
cout << endl;
```