

## Week 4: Exercise Solutions

### Exercise 4.1.

The first version of the program, to print the numbers 1 to n in a row with no gaps between them, looks like:

```
n = int(input("Please input an integer: "))
for i in range(1,n):
    print(i,end="")
```

The second version of the program, modified so that n varies in a for loop from 1 to 5, so that you get a triangle of height 5, looks like:

```
for n in range(1, 6):
    for i in range(1, n+1):
        print(i, end="")
    print()
```

### Exercise 4.2.

- `list(range(1, 4))`
- `list(range(2, 10, 2))`
- `list(range(-3, -20, -5))`

### Exercise 4.3.

```
DAYS_OF_WEEK = ["Monday", "Tuesday", "Wednesday",
                "Thursday", "Friday", "Saturday",
                "Sunday"]
for day in DAYS_OF_WEEK:
    print("The first letter of ", day, " is ",
          day[0], ".", sep="")
```