```
# Loop over characters in a string.
```

```
for ch in "CS41":
```

```
print(ch)
```

```
# Prints C, S, 4, and 1
```

```
# Loop over elements of a list.
```

```python
for number in [3, 1, 4, 1, 5]:
```

```python
    print(number ** 2, end='|')
```

```
# => 9|1|16|1|25|
```

```java
String s = "CS41";
for (int i = 0; i < s.length(); ++i) {
    char ch = s.charAt(i);
    System.out.println(ch);
}
```

Looping over Strings and Lists

```python
# Loop over characters in a string.

for ch in "CS41":

    print(ch)

# Prints C, S, 4, and 1
```

Compare

```java
String s = "CS41";
for (int i = 0; i < s.length(); ++i) {
    char ch = s.charAt(i);
    System.out.println(ch);
}
```

```python
# Loop over elements of a list.

for number in [3, 1, 4, 1, 5]:

    print(number ** 2, end='|')

# => 9|1|16|1|25|
```

range

Iterate over a
sequence of numbers