Exercises

- What is the output of the following code?

```python
numbers = range(12)
new_list = []
for n in numbers:
    if n%2==0:
        new_list.append(n**2)
print(new_list)
```

- Write equivalent code using a list comprehension

- Write a list comprehension to convert from km to feet (there are 3280.8399 feet in a km)

- What is the output of the following code?

```python
divided = []
for x in range(100):
    if x%2 == 0 :
        if x%6 == 0:
            divided.append(x)
```

- Write equivalent code using a list comprehension

Exercises

- What is the output of the following code?

```python
feet = [128608, 119750, 122375, 124015]
new_list = []
for x in feet:
    if x >= 120000:
        new_list.append(x+1)
    else:
        new_list.append(x+5)
print(new_list)
```

- Write equivalent code using a list comprehension