Homework

Exercise 1

Write a function that takes as input temparature in celsius °C and converts it to fahrenheit °F.

Hint: The formula used to convert from celsius to fahrenheit T(°F) = T(°C) × 9/5 + 32

Examples:

```
    - input = 40, output = 104
    - input = 28, output = 82.5
```

In [2]:

```python
def celsius_to_fahrenheit(celsius_temp):
    fahrenheit_temp = celsius_temp * 9/5.0 + 32
    return fahrenheit_temp

result = celsius_to_fahrenheit(40)
print(result)
```

```
104.0
```

Exercise 2

Write a function that a number n as input and it prints all numbers from 1 till n on one line.

Example:

```
    - input = 5, output displayed:
     1 2 3 4 5
    - input = 3, output displayed:
     1 2 3
```

In [3]:

```python
def print_number_line(n):
    i = 1
    text = ""
    while i<=n:
        #print(i)
        text = text + " " +str(i)
        i += 1
    return text

result_text = print_number_line(5)

print(result_text)
```

```
 1 2 3 4 5
```

Exercise 3

Write a function that takes as input a list of strings and it returns the longest string

Example:

```
– input =['hello', 'check', 'amazing'], output = 'amazing'
– input = ['lol', 'wow', 'great'], output = 'great'
```

Exercise 4

Write a function that takes a number n as input and prints a pyramid of numbers as the examples below.

Example:

```
– input = 2, output displayed:
1
1 2
– input = 5, output displayed:
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

Hint: you can use the function in exercise 2

```
In [ ]:
```