

Over the last few weeks we covered:

1. Creating lists of numbers using the *range* function. Details at <https://docs.python.org/2/library/functions.html#range>
2. Looping through commands using for loops and nested for loops. You can review the documentation at <https://wiki.python.org/moin/ForLoop>

This week you will be accessing and submitting the homework through Google Classroom directly.

#Sample code from classroom concepts

```
for i in range(9):
    print(i)
print("done")

for i in range(3,9):
    print(i)
print("done")

for i in range(3,9,3):
    print(i)
print("done")

a = "A"

for i in range (0,9,2):
    for j in range(3,6):
        print(a, i, j)
        print("***")
    print("_____")
print("All done")
```

[Show hidden output](#)

Problem 1: Ask the user for an integer n between 1 and 20. Print the whole numbers (numbers starting with 0, 1, 2....) up to and including the number n.

Your code here:

Problem 2: Ask the user for an integer n between 20 and 30.
a. Print the even numbers between 10 and n up to and including the number n.
b. Print the odd numbers between 5 and n up to and including the number n.

Your code here:

We learn multiplication in elementary school using multiplication tables. Here is an example of what a table would like for 3:

TIMES TABLE FOR 3:

```
3 x 1 = 3
3 x 2 = 6
3 x 3 = 9
3 x 4 = 12
.
.
.
3 x 9 = 27
3 x 10 = 30
```

Problem 3: Print multiplication tables for numbers 5 to 15 (including)

Your code here:

Problem 4: Print the sum of the first 10 numbers. Hint: create variable
called sum, set it to zero and then in the loop, add the numbers to sum

```
# Your code here:
```

```
# Challenge: Print the first 20 numbers of the Fibonacci number series. You can  
# read more about the series at https://en.wikipedia.org/wiki/Fibonacci\_sequence
```

```
# In simple terms, the first two numbers are 0 and 1. After that, each number  
# is the number of the previous two numbers. For e.g.:
```

```
# 0
```

```
# 1
```

```
# 0 + 1 = 1
```

```
# 1 + 1 = 2
```

```
# 1 + 2 = 3
```

```
# 2 + 3 = 5
```

```
# Your code here:
```