

Week 3 Loops and Data Structure

Part 1 For loops

Exercise 1

1

```
In [1]: 1 Words = "Hello World"
        2 for Letter in Words:
        3     print(Letter)
        4
```

H
e
l
l
o

W
o
r
l
d

2

The program prints the sum of the even integers up to 10

3

If only one argument is in range(N), then the requested range will start from 0 up to N-1

```
In [2]: 1 for i in range(11):
        2     print(i)
```

4

The first argument is the start of the sequence the second is the stop and the last one is the step. You could also re-write the Sum of integers program using a step of 10 starting from 0 instead of using a modulo

```
In [3]: 1 for i in range(1,11,2):
```