

# Python Assignment 4:

## While

### Exercise 1:

Take numeric number from user (consider that the user will submit value more than 1).

The program must print all integer numbers between 1 and the input number.

### Exercise 2:

Modify the previous exercise, such that it only prints even numbers between 1 and the input number.

### Exercise 3:

Create a program that keeps taking inputs from user until he enters input "end".

### Exercise 4:

The user must keep giving numbers.

when the sum of the given numbers exceeds 100,

It must stop taking values from user and write:

**"Sum is more than 100".**

hints:

- use infinite while loop (no for)
- while will stop when  $\text{sum} > 100$
- sum must be initially defined as 0.
- don't forget casting for the input.

## For

### Exercise 1:

Take input integer from user.

Pass it to a function that draws a shape like below.

For input 4, print shape:

```
*  
  
**  
  
***  
  
****
```

### Exercise 2:

Same as the previous exercise,

but for input 4, print shape:

```
*  
  
***  
  
*****  
  
*****
```