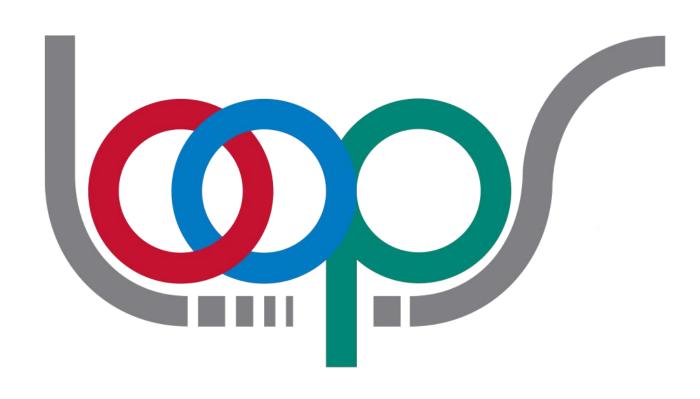


**INFORMATICS - 8th** 

**CHAPTER 4.1** 

grade LOOPS



4-TERM

**WEEK 1** 

2019-2020

#### **LOOPS**



### You will:

- Understand definition of the Loops in python language;
- Basic concept of iteration;
- Apply 'FOR' loop to solve the problem.

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# What is the Loop?

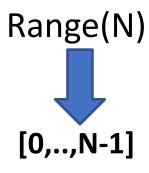
• In computer programming, a loop is an order of instructions that repeats for many times. Each repetition is called an iteration of the loop.

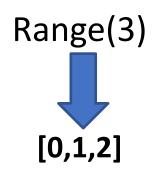


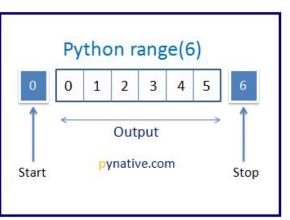
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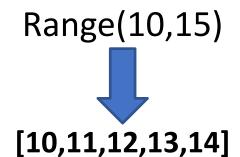


## Range:





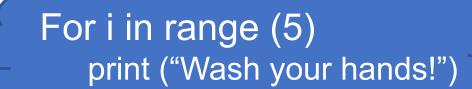




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### LOOPS







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### LOOPS



### **Example 1:**



For i in range (100) print ("I will not waste my time on meaningless tasks!")

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### LOOPS



## Example 2:

Write a code that prints all even numbers from 2 to 100 inclusively.

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#### LOOPS



### **Example 3:**

Calculate the sum of even numbers till inputted number

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### **Cell division types**



# **Terminology**

```
loop - тізбек - цикл
even - жұп - четные
iteration - итерация - итерация
inclusively - қоса алғанда - включительно
trick - қулық - хитрость
to fix - түзету - исправлять
sum - сома - сумма
divisible - бөлінетін - делимый
```

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### Home task

- ☐ 1. Write a code that prints all odd numbers from 1 to 100. Example: 1 3 5 7 ... 99 4.
- 2. Write a code that prints all numbers, divisible by 5, starting from 1 to 1000. Example: 1 5 10 15 20 ... 1000 5.
- ☐ 3. Write a code that will print sum of all numbers from 1 to 60 inclusively.

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