

# Programming

## Lesson7 - Loops

## الدرس السابع - الحلقات

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# Reminder - Lesson6

- ▶ List
  - ▶ ['A', '232143', 55543, 123.2, False]

# Loop

- ▶ Iterate over a sequence
  - ▶ For loop
- ▶ Execute a set of statements as long as a condition is true
  - ▶ While loop

# For loop

- ▶ `for <var> in <sequence>:`  
    `...`  
    `code`  
    `....`
- ▶ `for item in [1, 2, 3, 4, 5, 6]:`  
    `print(item)`

# While loop

- ▶ While <condition>:

```
...  
code  
...
```

- ▶ 

```
x = 1  
while x < 10:  
    print(x)  
    x = x + 1
```

# Let's try...😊

- ▶ Open PyCharm:
  - ▶ Create new file: lists.py
  - ▶ Start coding 😊

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Thank you 😊!

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Stay tuned for more!