

1. Recap
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3. HackerRank Contests
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KOLT Python

Review 0

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KOLT



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Agenda

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Installations

- Any problems at installing Python?
- Are you able to launch Python from terminal/command line?
- VS Code/Any editor?
- Did you create and run a Python file using VS Code?



Comments

```
# Single line comments start with a '#'  
  
"""  
Multiline comments can be written between  
three "s and are often used as function  
and module comments.  
"""  
print('Hello, stranger!')
```

Python will basically ignore comments, they are purely written **for humans!**

Variables

Type	Explanation	Examples
<code>int</code>	represent integers	3, 4, 17, -10
<code>float</code>	represent real numbers	3.0, 1.11, -109.123123
<code>bool</code>	represent boolean truth values	True, False
<code>str</code>	A sequence of characters.	'Hello', '', '3'
<code>NoneType</code>	special and has one value, None	None

- How to create a variable? `variable_name = value`
- How about types? use `type()`
- Can a variable change type? **Yes!** Just assing a new value with any type.
- What if we if want to convert a value between types, i.e, '2' → 2

Casting

- `int('2') → 2`
- Any possible reasons for casting? -taking user input -reading numbers from a file?
- Can we cast every value to every type? **NO!** try `int('hello')`

Console I/O(Input/Output)

```
print (*args, sep=' ', end='\n')
```

- Can take arbitrary number of arguments
- Separates elements with space by default
- Adds newline character '`\n`' to end by default

```
input ([prompt])
```

- Prints the prompt to Console
- Program is paused until user enters something
- **returns an `str` object!**



OK



- We will use a website called [OK\(okpy.org\)](https://okpy.org).
- Developed by UC Berkeley teachers, using Python :)
- We already registered you, go to the website and login using your KU account.
- You will submit your assignments using this website, you will be able work with pairs in some assignments.
- Using this website we will give you personal feedbacks based on your submissions.
- Let's see a demo!

Online Contests

- Did you created an account?
- How many of you looked at problems?
- Any problems/questions?