

Python - Variables and If/Else Statements

Eli the Computer Guy - July 8, 2024

Saving Python Scripts

- File Names use - to separate words
- Remember some OS's are case sensitive
- Save into your user root directory

Comments, Escape, and Quotation Marks

- # - Comments out a line
- """ STUFF """ - 3 quotation marks comments out multiple lines
- ' or " - You can use either, but the statement will close with corresponding mark.
- \ escapes a character so that Python ignores the following character
 - \'style\' becomes 'style'
- Example = comment.py

Data Types

- int
- float
- str
- bool
- byte
- Example = data-type.py

Declaring and Setting Variables

- var_num = 1
- var_str = 'hello world'
- Must declare variable before you can use it
- Name Space = don't name a variable a module or function name
 - Example 'time'
- Example = data-type.py

Finding and Changing Variable Data Type

- Python auto assigns data type
- type()
- print(type(variable_name))
- var = str(var)
- Example = data-type.py

Concatenation - F Strings

- Combining text and variable values into strings
- Example = concat.py

Methods

- Modifies String
- lower()
- upper()
- title()
- strip()
- Example = method.py

If/ Elif /Else Statements

- if condition is true
- elif a different condition is true
- else no condition is true
- and / or
 - if condition is true and another condition is true
 - if condition is true or other condition is true
- Example = if-else.py

Conditionals

- ==
- ===
- !=
- <=
- >=
- and, or

input()

- Takes user input as a String Variable Value
- Example = input.py

while True:

- BE CAREFUL!!!!
 - API's - How fast can your computer charge your credit card???
- Control + C to Exit, or Close Terminal Window
- Example = input.py

Practical Exercises

- `number-game.py`
 - `corn-name.py`
 - `clean-text.py`
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