CODE 4 TEENS

Python Discord Bot

DAY 01

Introduction to Python

Contents

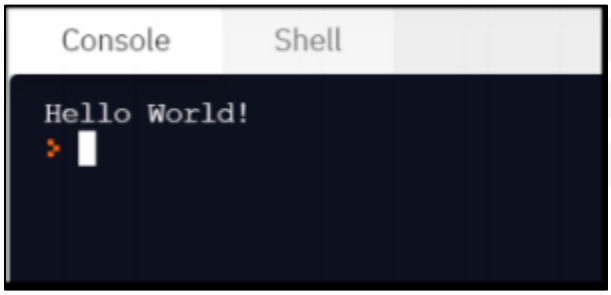
Exercise 01: First Steps

SOS	Difficulty:	★
💡	Objectives:	Figure out how to display “Hello World” in your console.
🛠️	Skills required:	▯ Using strings ▯ Using built-in python functions
🌐	Resources:	
🔎	Search keywords:	▯ python syntax ▯ strings

Code snippet:

```
```

Output example:



Exercise 02: Variables

SOS	Difficulty:	★ ★
💡	Objectives:	Set variable **text** to a string that displays the same output as below.
🛠️	Skills required:	Using variables
🌐	Resources:	
🔎	Search keywords:	Variables in python

Code snippet:

```
text = [your code here]
print(text)
```

Output example:

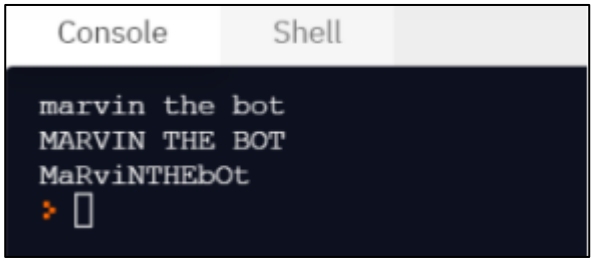
Exercise 03: Lower, Upper, Nospace

SOS	Difficulty:	★ ★ ★
💡	Objectives:	Using **string1**, which is set to 'MaRviN THE bOt', create **3** more variables and manipulate them to achieve the same output as below. You are **not allowed** to use quotation marks " " or single quotes ' ' to **create** the 3 variables.
🛠	Skills required:	▯ Using in-built python functions ▯ Manipulating strings
🌐	Resources:	Python String Methods
🔍	Search keywords:	▯ String manipulation python

Code snippet:

```
string1 = 'MaRviN THE bOt'
string1lowercase = [your code here]
string1uppercase = [your code here]
string1nospace = [your code here]
print(string1lowercase)
print(string1uppercase)
print(string1nospace)
```

Output example:



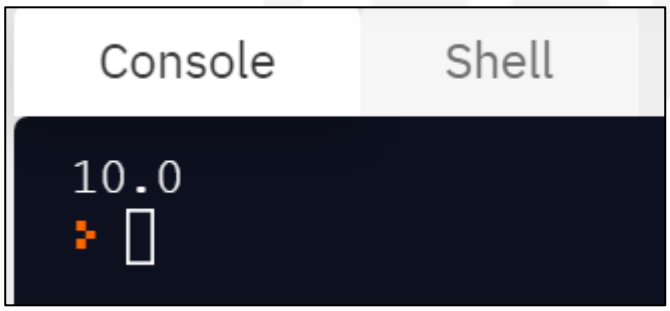
Exercise 04: Data Types

SOS	Difficulty:	★ ★ ★
💡	Objectives:	Write code to display the **exact** same output as below
🛠️	Skills required:	Type conversion/Type casting
🌐	Resources:	Python Casting
🔎	Search keywords:	Convert data types in python

Code snippet:

```
num1 = “50”
num2 = “5”
[your code here]
[your code here]
print(num1/num2)
```

Output example:



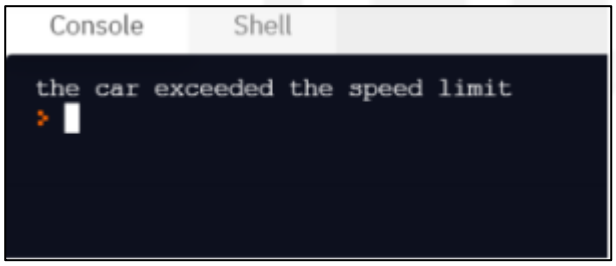
Exercise 05: Concatenation

SOS	Difficulty:	★ ★
💡	Objectives:	Fill in the code to display the exact same output as below
🛠️	Skills required:	String concatenation
🌐	Resources:	Python String Concatenation
🔎	Search keywords:	Concatenation in python

Code snippet:

```
word1 = ‘car ‘
word2 = ‘exceeded ‘
text1 = ‘speed limit’
word3 = ‘the ‘
[your code here]
```

Output example:



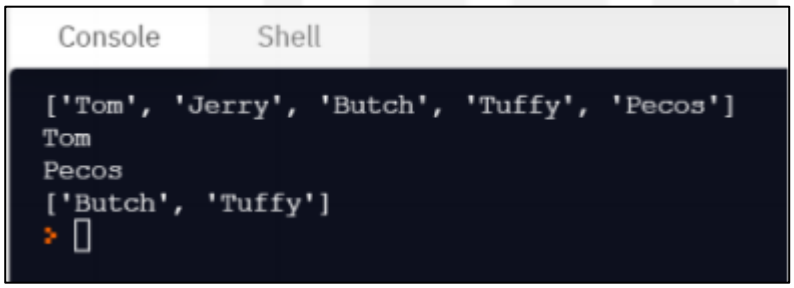
Exercise 06: Lists

SOS	Difficulty:	★ ★ ★ ★
💡	Objectives:	Fill in the code to display the exact same output as below
🛠	Skills required:	▯ Using lists ▯ List manipulation ▯ List slicing
🌐	Resources:	Python List
🔎	Search keywords:	List manipulation

Code snippet:

```
names = ['Tom', 'Jerry', 'Butch', 'Tuffy', 'Pecos']
[your code here
...]
```

Output example:



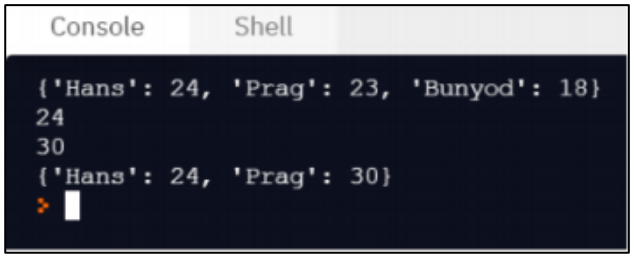
Exercise 07: Dictionaries

SOS	Difficulty:	⚠ ⚠ ⚠ ⚠ ⚠
💡	Objectives:	Using the given dictionary **age** 1) Display the whole dictionary 2) Display age of 'Hans' 3) Change age of 'Prag' to 30 4) Display age of 'Prag' 5) Delete key-value pair of 'Bunyod' 6) Display the whole dictionary
🛠	Skills required:	▯ Using dictionaries ▯ Manipulating dictionaries ▯ Deleting key-value pairs
🌐	Resources:	Google.com
🔎	Search keywords:	▯ Python dictionaries ▯ Change value of key in dictionary ▯ Deleting a key-value pair in a dictionary

Code snippet:

```
age = {'Hans':24, 'Prag':23, 'Bunyod':18}
[your code here
...]
```

Output example:



Bonus 01: More string interpolation

‼ This is a BONUS question.

SOS	Difficulty:	★ ★
	Objectives:	Use a method of string interpolation to insert variables into a predefined text. Fill in the code to achieve the same output
	Skills required:	String interpolation
	Resources:	Python String format()
	Search keywords:	Python string interpolation Python string format

Code snippet:

```
name = “Sam”
dog = “Scooby”
shoes = 10

print(f”...”)
```

Output example:

```
Console  Shell

Sam's dog Scooby ate 10 pairs of shoes.
```