

นายณภัทร จิราธนกุลชัย รหัสนักศึกษา 63010279

1.อ่าน Intro

The screenshot shows a Microsoft Edge browser window. The address bar says "Introduction to Python". The left sidebar has a "Python Tutorial" menu with "Python Intro" selected. The main content area is titled "What is Python?". It says Python is a popular programming language created by Guido van Rossum in 1991. It lists its uses: web development, software development, mathematics, and system scripting. Below that is "What can Python do?", listing its applications in servers, workflows, databases, big data, and prototyping. To the right is a sidebar with a "Get certified" button and a "CODE GAME" section.

2.กำسังแรกของ python

The screenshot shows a Visual Studio Code (VS Code) interface. The top menu includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The Explorer sidebar shows an "OPEN EDITORS" section with "practice.py" and a "PYTHON EXERCISES" section also containing "practice.py". The main editor area has the code "print("Data Structure")". The bottom terminal window shows the command "python.exe" being run, followed by the output "Data Structure". The status bar at the bottom indicates "Python 3.9.5 64-bit" and "Zero Two".

3. ศึกษาไวยากรณ์ของ python

The screenshot shows a web browser window with the URL www.w3schools.com/python/python_syntax.asp. The page is titled "Execute Python Syntax". It contains two code snippets: one for running code directly in the command line and another for creating a .py file and running it. A sidebar on the right lists other Python topics such as "Python Indentation", "Python Variables", and "Python Comments".

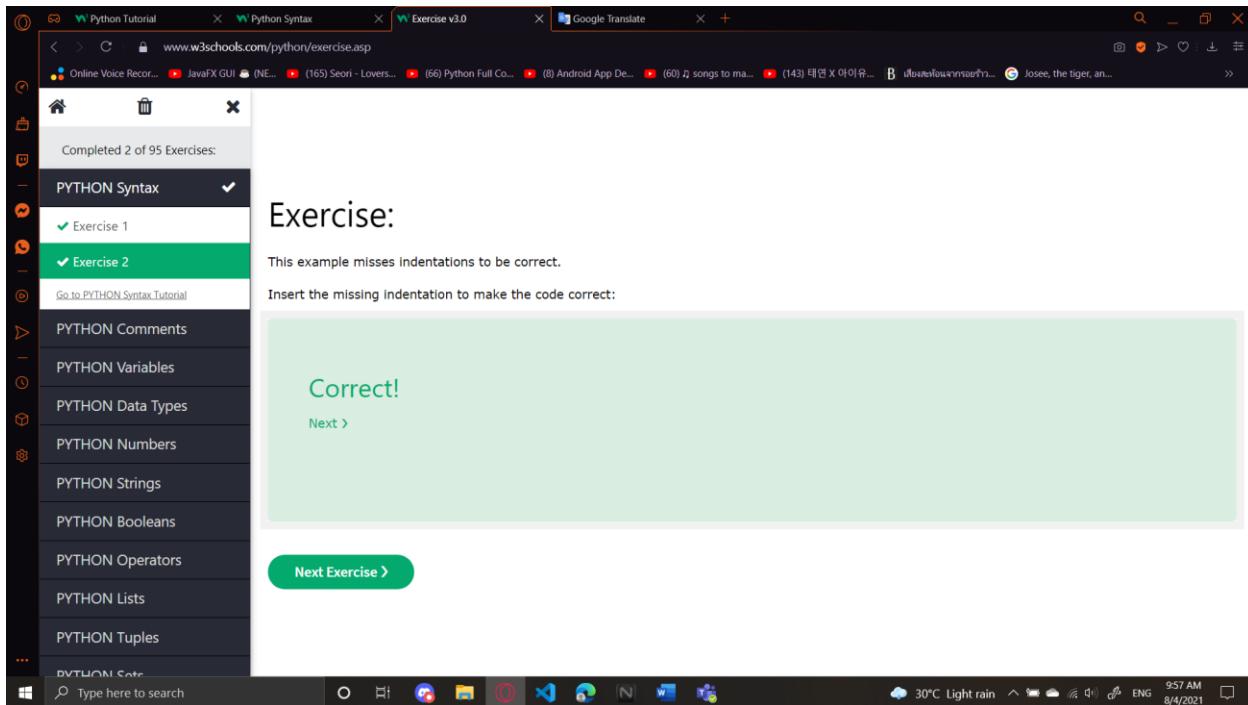
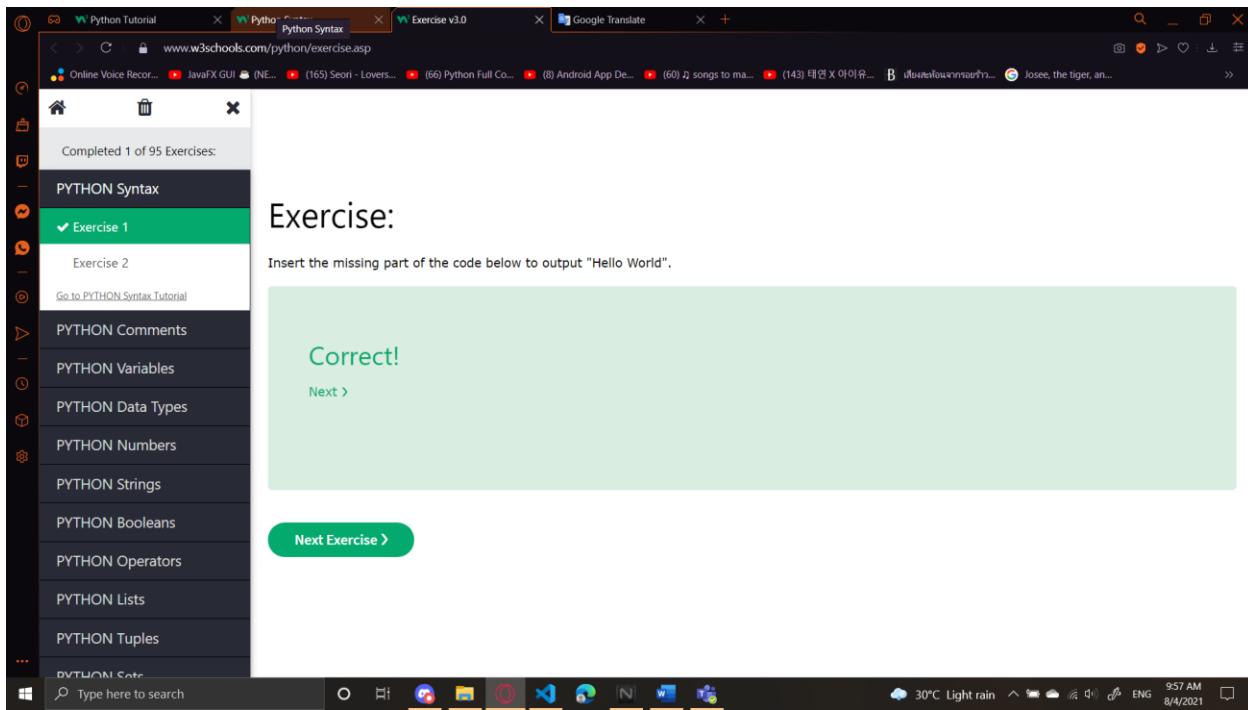
The screenshot shows a Visual Studio Code (VS Code) interface. In the center, there is an editor window displaying a Python script named "practice.py" with the following content:

```
1 #print("Data Structure")
2
3 x = 5
4 y = ("Data")
5 print (x)
6 print (y)
```

Below the editor is a terminal window showing the output of running the script:

```
PS C:\Data Structure\Python Exercises> & C:/Users/napat/AppData/Local/Programs/Python/Python39/python.exe "c:/Data Structure /Python Exercises/practice.py"
Data Structure
Data Structure
```

4. ทำแบบฝึก



Completed 4 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- Exercise 1
- Exercise 2**
- Go to PYTHON Comments Tutorial
- PYTHON Variables
- PYTHON Data Types
- PYTHON Numbers
- PYTHON Strings
- PYTHON Booleans
- PYTHON Operators
- PYTHON Lists
- PYTHON Tuples
- ...

Use a multiline string to make the a multi line comment:

Correct!

[Next >](#)

[Next Exercise >](#)

Completed 4 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables
- Exercise 1**
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5
- Exercise 6
- Exercise 7
- Go to PYTHON Variables Tutorial
- PYTHON Data Types
- PYTHON Numbers
- ...
- PYTHON Strings

Create a variable named `carname` and assign the value `Volvo` to it.

```
carname = "Volvo"
```

[Show Answer](#)

[Submit Answer >](#)

The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** www.w3schools.com/python/exercise.asp
- Tab Bar:** Python Tutorial, Python Comments, Exercise v3.0, Google Translate
- Content Area:**
 - Completed 5 of 95 Exercises:**
 - Category:** PYTHON Variables
 - Exercise 2:** (highlighted in green)
 - Exercise Text:** Create a variable named `x` and assign the value `50` to it.
 - Code Editor:** `x = 50`
 - Buttons:** Show Answer, Submit Answer >
- Left Sidebar:** A navigation menu with sections: PYTHON Syntax, PYTHON Comments, PYTHON Variables, and links to Exercise 1 through 7, and Go to PYTHON Variables Tutorial.
- Bottom Bar:** Windows taskbar with various pinned icons and system status indicators (30°C, Light rain, 9:59 AM, 8/4/2021).

The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** www.w3schools.com/python/exercise.asp
- Tab Bar:** Python Tutorial, Python Comments, Exercise v3.0, Google Translate
- Content Area:**
 - Completed 6 of 95 Exercises:**
 - Category:** PYTHON Variables
 - Exercise 3:** (highlighted in green)
 - Exercise Text:** Display the sum of `5 + 10`, using two variables: `x` and `y`.
 - Code Editor:** `x = 5
y = 10
print(x + y)`
 - Buttons:** Show Answer, Submit Answer >
- Left Sidebar:** A navigation menu with sections: PYTHON Syntax, PYTHON Comments, PYTHON Variables, and links to Exercise 1 through 7, and Go to PYTHON Variables Tutorial.
- Bottom Bar:** Windows taskbar with various pinned icons and system status indicators (30°C, Light rain, 9:59 AM, 8/4/2021).

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Exercise v3.0" and displays a Python exercise. The sidebar on the left lists completed exercises under "Completed 7 of 95 Exercises:" and provides links to other sections like "PYTHON Syntax", "PYTHON Comments", and "PYTHON Variables".

Exercise:

Create a variable called `z`, assign `x + y` to it, and display the result.

```
x = 5
y = 10
z = x + y
print(z)
```

[Show Answer](#)

[Submit Answer >](#)

At the bottom of the browser window, the taskbar shows various pinned icons and the system tray indicates it's 10:00 AM on 8/4/2021.

This screenshot shows a similar web browser setup, but the active tab now displays a different exercise. The sidebar and overall layout are identical to the first screenshot, but the content in the main area has changed.

Exercise:

Remove the illegal characters in the variable name:

```
my._first_name = "John"
```

[Show Answer](#)

[Submit Answer >](#)

The taskbar and system tray at the bottom remain consistent with the first screenshot.

Completed 9 of 95 Exercises:

PYTHON Syntax ✓

PYTHON Comments ✓

PYTHON Variables

- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5
- Exercise 6**
- Exercise 7

Go to PYTHON Variables Tutorial

PYTHON Data Types

PYTHON Numbers

... PYTHON Strings

x = y = z = "Orange"

Show Answer

Submit Answer

Completed 10 of 95 Exercises:

PYTHON Syntax ✓

PYTHON Comments ✓

PYTHON Variables

- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5
- Exercise 6
- Exercise 7**

Go to PYTHON Variables Tutorial

PYTHON Data Types

PYTHON Numbers

... PYTHON Strings

```
def myfunc():
    global x
    x = "fantastic"
```

Show Answer

Submit Answer

Completed 11 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types

Exercise 1

Exercise 2

Exercise 3

Exercise 4

Exercise 5

Exercise 6

Exercise 7

[Go to PYTHON Data Types Tutorial](#)

The following code example would print the data type of x, what data type would that be?

```
x = 5
print(type(x))
```

int

[Show Answer](#)

[Submit Answer >](#)

Completed 12 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types

✓ Exercise 1

Exercise 2

Exercise 3

Exercise 4

Exercise 5

Exercise 6

Exercise 7

[Go to PYTHON Data Types Tutorial](#)

The following code example would print the data type of x, what data type would that be?

```
x = "Hello World"
print(type(x))
```

str

[Show Answer](#)

[Submit Answer >](#)

Completed 13 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types
 - Exercise 1
 - Exercise 2
 - Exercise 3**
 - Exercise 4
 - Exercise 5
 - Exercise 6
 - Exercise 7

Go to PYTHON Data Types Tutorial

Exercise:

The following code example would print the data type of x, what data type would that be?

```
x = 20.5
print(type(x))
```

float

Show Answer

Submit Answer >

Completed 14 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types
 - Exercise 1
 - Exercise 2
 - Exercise 3
 - Exercise 4**
 - Exercise 5
 - Exercise 6
 - Exercise 7

Go to PYTHON Data Types Tutorial

Exercise:

The following code example would print the data type of x, what data type would that be?

```
x = ["apple", "banana", "cherry"]
print(type(x))
```

list

Show Answer

Submit Answer >

Completed 15 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types
 - Exercise 1
 - Exercise 2
 - Exercise 3
 - Exercise 4
 - Exercise 5**
 - Exercise 6
 - Exercise 7

The following code example would print the data type of x, what data type would that be?

```
x = ("apple", "banana", "cherry")
print(type(x))
```

tuple

Show Answer

Completed 16 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types
 - Exercise 1
 - Exercise 2
 - Exercise 3
 - Exercise 4
 - Exercise 5
 - Exercise 6**
 - Exercise 7

The following code example would print the data type of x, what data type would that be?

```
x = {"name" : "John", "age" : 36}
print(type(x))
```

dict

Show Answer

Completed 17 of 95 Exercises:

PYTHON Syntax ✓
PYTHON Comments ✓
PYTHON Variables ✓
PYTHON Data Types

Exercise 1
Exercise 2
Exercise 3
Exercise 4
Exercise 5
Exercise 6
Exercise 7
[Go to PYTHON Data Types Tutorial](#)

The following code example would print the data type of x, what data type would that be?

```
x = True
print(type(x))
```

bool

Show Answer

Submit Answer >

Completed 18 of 95 Exercises:

PYTHON Syntax ✓
PYTHON Comments ✓
PYTHON Variables ✓
PYTHON Data Types ✓
PYTHON Numbers

Exercise 1
Exercise 2
Exercise 3
[Go to PYTHON Numbers Tutorial](#)

Insert the correct syntax to convert x into a floating point number.

```
x = 5
x = float(x)
```

Show Answer

Submit Answer >

Completed 19 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types ✓
- PYTHON Numbers

Exercise:

Insert the correct syntax to convert x into a integer.

```
x = 5.5
x = int(x)
```

[Show Answer](#)

[Submit Answer >](#)

Completed 20 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types ✓
- PYTHON Numbers

Exercise:

Insert the correct syntax to convert x into a complex number.

```
x = 5
x = complex(x)
```

[Show Answer](#)

[Submit Answer >](#)

The screenshot shows a Microsoft Edge browser window with the title bar "Exercise v3.0". The address bar contains the URL "www.w3schools.com/python/exercise.asp". The page content displays a sidebar on the left with sections: PYTHON Syntax, PYTHON Comments, PYTHON Variables, PYTHON Data Types, PYTHON Numbers, and PYTHON Strings. The "PYTHON Strings" section is expanded, showing sub-sections: Exercise 1, Exercise 2, Exercise 3, Exercise 4, Exercise 5, Exercise 6, Exercise 7, and Exercise 8. "Exercise 1" is highlighted with a green background. The main content area contains the following text:

Completed 21 of 95 Exercises:

Exercise:

Use the `len` method to print the length of the string.

```
x = "Hello World"
print(len(x))
```

Submit Answer >

Show Answer

The screenshot shows a Microsoft Edge browser window with the title bar "Exercise v3.0". The address bar contains the URL "www.w3schools.com/python/exercise.asp". The page content displays a sidebar on the left with sections: PYTHON Numbers and PYTHON Strings. The "PYTHON Strings" section is expanded, showing sub-sections: Exercise 1, Exercise 2, Exercise 3, Exercise 4, Exercise 5, Exercise 6, Exercise 7, and Exercise 8. "Exercise 2" is highlighted with a green background. The main content area contains the following text:

Completed 22 of 95 Exercises:

Exercise:

Get the first character of the string `txt`.

```
txt = "Hello World"
x = txt[0]
```

Submit Answer >

Show Answer

Completed 23 of 95 Exercises:

- PYTHON Numbers
- PYTHON Strings
- Exercise 1
- Exercise 2
- Exercise 3**
- Exercise 4
- Exercise 5
- Exercise 6
- Exercise 7
- Exercise 8

[Go to PYTHON Strings Tutorial](#)

Exercise:

Get the characters from index 2 to index 4 (11o).

```
txt = "Hello World"
x = txt[2:5]
```

Show Answer

Submit Answer >

Completed 24 of 95 Exercises:

- PYTHON Numbers
- PYTHON Strings
- Exercise 1
- Exercise 2
- Exercise 3**
- Exercise 4**
- Exercise 5
- Exercise 6
- Exercise 7
- Exercise 8

[Go to PYTHON Strings Tutorial](#)

Exercise:

Return the string without any whitespace at the beginning or the end.

```
txt = " Hello World "
x = txt.strip()
```

Show Answer

Submit Answer >

Completed 25 of 95 Exercises:

- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5**
- Exercise 6
- Exercise 7
- Exercise 8

Go to PYTHON Strings Tutorial

PYTHON Booleans

PYTHON Operators

PYTHON Lists

PYTHON Tuples

PYTHON Sets

Type here to search

Exercise:

Convert the value of `txt` to upper case.

```
txt = "Hello World"
txt = txt.upper()
```

Show Answer

Submit Answer >

10:21 AM 8/4/2021

Completed 26 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types ✓
- PYTHON Numbers ✓
- PYTHON Strings**
- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5
- Exercise 6**
- Exercise 7
- Exercise 8

Type here to search

Exercise:

Convert the value of `txt` to lower case.

```
txt = "Hello World"
txt = txt.lower()
```

Show Answer

Submit Answer >

31°C Light rain 10:21 AM 8/4/2021

Completed 27 of 95 Exercises:

- Exercise 4
- Exercise 5
- Exercise 6
- Exercise 7**
- Exercise 8

Go to PYTHON Strings Tutorial

PYTHON Booleans

PYTHON Operators

PYTHON Lists

PYTHON Tuples

PYTHON Sets

PYTHON Dictionaries

PYTHON If...Else

...

Type here to search

Exercise:

Replace the character H with a J.

```
txt = "Hello World"
txt = txt.replace("H", "J")
```

Show Answer

Submit Answer >

Completed 28 of 95 Exercises:

- Exercise 8**
- Exercise 9
- Exercise 10
- Exercise 11
- Exercise 12
- Exercise 13
- Exercise 14
- Exercise 15
- Exercise 16
- Exercise 17
- Exercise 18
- Exercise 19
- Exercise 20
- Exercise 21
- Exercise 22
- Exercise 23
- Exercise 24
- Exercise 25
- Exercise 26
- Exercise 27

Go to PYTHON Strings Tutorial

PYTHON Booleans

PYTHON Operators

PYTHON Lists

PYTHON Tuples

PYTHON Sets

PYTHON Dictionaries

PYTHON If...Else

PYTHON While Loops

PYTHON For Loops

PYTHON Functions

PYTHON Lambda

...

Type here to search

Exercise:

Insert the correct syntax to add a placeholder for the age parameter.

```
age = 36
txt = "My name is John, and I am {}"
print(txt.format(age))
```

Show Answer

Submit Answer >

The screenshot shows a web browser window with the following details:

- Title Bar:** Python Tutorial, Python - Format Strings, Exercise v3.0, Google Translate.
- Address Bar:** www.w3schools.com/python/exercise.asp
- Left Sidebar (Python Booleans):**
 - Completed 29 of 95 Exercises.
 - PYTHON Syntax ✓
 - PYTHON Comments ✓
 - PYTHON Variables ✓
 - PYTHON Data Types ✓
 - PYTHON Numbers ✓
 - PYTHON Strings ✓
 - PYTHON Booleans ✓
 - Exercise 1** (highlighted in green)
 - Exercise 2
 - Exercise 3
 - Exercise 4
 - Exercise 5
- Content Area:**

The statement below would print a Boolean value, which one?

```
print(10 > 9)
```

True

Show Answer

Submit Answer >
- Bottom Status Bar:** Type here to search, system icons, weather (31°C Light rain), date (8/4/2021), time (10:25 AM).

The screenshot shows a web browser window with the following details:

- Title Bar:** Python Tutorial, Python - Format Strings, Exercise v3.0, Google Translate.
- Address Bar:** www.w3schools.com/python/exercise.asp
- Left Sidebar (Python Booleans):**
 - Completed 31 of 95 Exercises.
 - PYTHON Syntax ✓
 - PYTHON Comments ✓
 - PYTHON Variables ✓
 - PYTHON Data Types ✓
 - PYTHON Numbers ✓
 - PYTHON Strings ✓
 - PYTHON Booleans ✓
 - Exercise 1**
 - Exercise 2** (highlighted in green)
 - Exercise 3
 - Exercise 4
 - Exercise 5
- Content Area:**

The statement below would print a Boolean value, which one?

```
print(10 == 9)
```

False

Show Answer

Submit Answer >
- Bottom Status Bar:** Type here to search, system icons, weather (31°C Light rain), date (8/4/2021), time (10:25 AM).

Completed 31 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types ✓
- PYTHON Numbers ✓
- PYTHON Strings ✓
- PYTHON Booleans ✓

Exercise:

The statement below would print a Boolean value, which one?

```
print(10 < 9)
```

False

Show Answer

Submit Answer >

Completed 32 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types ✓
- PYTHON Numbers ✓
- PYTHON Strings ✓
- PYTHON Booleans ✓

Exercise:

The statement below would print a Boolean value, which one?

```
print(bool("abc"))
```

True

Show Answer

Submit Answer >

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Exercise v3.0" and displays a list of completed exercises under the heading "Completed 33 of 95 Exercises:". The completed categories include PYTHON Syntax, PYTHON Comments, PYTHON Variables, PYTHON Data Types, PYTHON Numbers, PYTHON Strings, and PYTHON Booleans. The PYTHON Booleans category is currently selected, and its sub-exercises (Exercise 1, Exercise 2, Exercise 3, Exercise 4) are also marked as completed. A new exercise, "Exercise 5", is highlighted in green. The exercise content asks: "The statement below would print a Boolean value, which one?" It shows the code "print(bool(0))" and the answer "False". A "Submit Answer" button is visible at the bottom left, and a "Show Answer" button is at the top right.

This screenshot shows the same browser window after completing Exercise 5. The status bar now indicates "Completed 34 of 95 Exercises:". The PYTHON Operators category is now highlighted in green, and its sub-exercises (Exercise 1 through Exercise 5) are listed. The first exercise, "Exercise 1", is highlighted in green. The exercise content asks: "Multiply 10 with 5, and print the result." It shows the code "print(10 * 5)". A "Submit Answer" button is at the bottom left, and a "Show Answer" button is at the top right.

Completed 35 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types ✓
- PYTHON Numbers ✓
- PYTHON Strings ✓
- PYTHON Booleans ✓
- PYTHON Operators ✓

Exercise:

Divide 10 by 2, and print the result.

```
print(10 / 2)
```

Show Answer

Submit Answer >

Completed 36 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types ✓
- PYTHON Numbers ✓
- PYTHON Strings ✓
- PYTHON Booleans ✓
- PYTHON Operators ✓

Exercise:

Use the correct membership operator to check if "apple" is present in the fruits object.

```
fruits = ["apple", "banana"]
if "apple" in fruits:
    print("Yes, apple is a fruit!")
```

Show Answer

Submit Answer >

The screenshot shows a Microsoft Edge browser window with the following details:

- Address bar: www.w3schools.com/python/exercise.asp
- Tab bar: Python Tutorial, Python Booleans, Exercise v3.0, Google Translate
- Content area:
 - Completed 37 of 95 Exercises.
 - Left sidebar menu:
 - PYTHON Variables (✓)
 - PYTHON Data Types (✓)
 - PYTHON Numbers (✓)
 - PYTHON Strings (✓)
 - PYTHON Booleans (✓)
 - PYTHON Operators (selected, highlighted in green)
 - Exercise content:

Exercise:

Use the correct comparison operator to check if 5 is **not equal** to 10.

```
if 5 != 10:  
    print("5 and 10 is not equal")
```

Submit Answer >

Show Answer
- Taskbar: Search bar, pinned icons (File Explorer, Task View, File History, Task Scheduler, Task Manager, Task Sequence, Task Sequence Manager, Task Sequence Editor, Task Sequence Designer, Task Sequence Designer), system tray (Weather: 31°C, Light rain, Battery: 100%, Network: ENG, Date: 8/4/2021, Time: 10:28 AM).

The screenshot shows a Microsoft Edge browser window with the following details:

- Address bar: www.w3schools.com/python/exercise.asp
- Tab bar: Python Tutorial, Python Booleans, Exercise v3.0, Google Translate
- Content area:

Completed 38 of 95 Exercises.

Left sidebar menu:
 - PYTHON Data Types (✓)
 - PYTHON Numbers (✓)
 - PYTHON Strings (✓)
 - PYTHON Booleans (✓)
 - PYTHON Operators (selected, highlighted in green)

Exercise:

Use the correct logical operator to check if at least one of two statements is True.

```
if 5 == 10 or 4 == 4:  
    print("At least one of the statements is true")
```

Submit Answer >

Show Answer
- Taskbar: Search bar, pinned icons (File Explorer, Task View, File History, Task Scheduler, Task Manager, Task Sequence, Task Sequence Manager, Task Sequence Designer, Task Sequence Designer), system tray (Weather: 31°C, Light rain, Battery: 100%, Network: ENG, Date: 8/4/2021, Time: 10:29 AM).

The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** www.w3schools.com/python/exercise.asp
- Tab Bar:** Python Tutorial, Python Booleans, Exercise v3.0, Google Translate
- Right Sidebar:** Shows a list of completed exercises: Completed 39 of 95 Exercises, PYTHON Booleans, PYTHON Operators, PYTHON Lists.
- Main Content Area:**
 - Section Header:** Exercise:
 - Text:** Print the second item in the `fruits` list.
 - Code Snippet:**

```
fruits = ["apple", "banana", "cherry"]
print(fruits[1])
```
 - Buttons:** Show Answer, Submit Answer >
- Bottom Navigation:** Go to PYTHON Lists Tutorial, PYTHON Tuples, PYTHON Sets.

The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** www.w3schools.com/python/exercise.asp
- Tab Bar:** Python Tutorial, Python Booleans, Exercise v3.0, Google Translate
- Right Sidebar:** Shows a list of completed exercises: Completed 40 of 95 Exercises, PYTHON Syntax, PYTHON Comments, PYTHON Variables, PYTHON Data Types, PYTHON Numbers, PYTHON Strings, PYTHON Booleans, PYTHON Operators, PYTHON Lists.
- Main Content Area:**
 - Section Header:** Exercise:
 - Text:** Change the value from "apple" to "kiwi", in the `fruits` list.
 - Code Snippet:**

```
fruits = ["apple", "banana", "cherry"]
fruits[0] = "kiwi"
```
 - Buttons:** Show Answer, Submit Answer >
- Bottom Navigation:** Go to PYTHON Lists Tutorial, PYTHON Tuples, PYTHON Sets.

Completed 41 of 95 Exercises:

- PYTHON Numbers ✓
- PYTHON Strings ✓
- PYTHON Booleans ✓
- PYTHON Operators ✓
- PYTHON Lists ✓

Exercise:

Use the `append` method to add "orange" to the `fruits` list.

```
fruits = ["apple", "banana", "cherry"]
fruits.append("orange")
```

[Show Answer](#)

[Submit Answer >](#)

Completed 42 of 95 Exercises:

- PYTHON Numbers ✓
- PYTHON Strings ✓
- PYTHON Booleans ✓
- PYTHON Operators ✓
- PYTHON Lists ✓

Exercise:

Use the `insert` method to add "lemon" as the second item in the `fruits` list.

```
fruits = ["apple", "banana", "cherry"]
fruits.insert(1, "lemon")
```

[Show Answer](#)

[Submit Answer >](#)

Completed 43 of 95 Exercises:

- PYTHON Numbers
- PYTHON Strings
- PYTHON Booleans
- PYTHON Operators
- PYTHON Lists

Exercise:

Use the `remove` method to remove "banana" from the fruits list.

```
fruits = ["apple", "banana", "cherry"]
fruits.remove("banana")
```

[Show Answer](#)

[Submit Answer >](#)

Exercise 1

Exercise 2

Exercise 3

Exercise 4

Exercise 5

Exercise 6

Exercise 7

Exercise 8

[Go to PYTHON Lists Tutorial](#)

Completed 44 of 95 Exercises:

- PYTHON Operators
- PYTHON Lists

Exercise:

Use negative indexing to print the last item in the list.

```
fruits = ["apple", "banana", "cherry"]
print(fruits[-1])
```

[Show Answer](#)

[Submit Answer >](#)

Exercise 1

Exercise 2

Exercise 3

Exercise 4

Exercise 5

Exercise 6

Exercise 7

Exercise 8

[Go to PYTHON Lists Tutorial](#)

PYTHON Tuples

PYTHON Sets

PYTHON Dictionaries

PYTHON File

Completed 45 of 95 Exercises:

PYTHON LISTS

- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5
- Exercise 6
- Exercise 7**
- Exercise 8

Go to PYTHON Lists Tutorial

PYTHON Tuples

PYTHON Sets

PYTHON Dictionaries

PYTHON If...Else

...

Type here to search

10:38 AM 8/4/2021

Exercise:

Use a range of indexes to print the third, fourth, and fifth item in the list.

```
fruits = ["apple", "banana", "cherry", "orange", "kiwi", "melon", "mango"]
print(fruits[2:5])
```

Show Answer

Submit Answer >

Completed 46 of 95 Exercises:

PYTHON LISTS

- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5
- Exercise 6
- Exercise 7
- Exercise 8**

Go to PYTHON Lists Tutorial

PYTHON Tuples

PYTHON Sets

PYTHON Dictionaries

PYTHON If...Else

PYTHON While Loops

...

Type here to search

10:38 AM 8/4/2021

Exercise:

Use the correct syntax to print the number of items in the list.

```
fruits = ["apple", "banana", "cherry"]
print(len(fruits))
```

Show Answer

Submit Answer >

Completed 47 of 95 Exercises:

- PYTHON Lists
- PYTHON Tuples
- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- [Go to PYTHON Tuples Tutorial](#)
- PYTHON Sets
- PYTHON Dictionaries
- PYTHON If...Else
- PYTHON While Loops
- PYTHON For Loops
- PYTHON Functions
- PYTHON Lambda

Exercise:

Use the correct syntax to print the first item in the `fruits` tuple.

```
fruits = ("apple", "banana", "cherry")
print(fruits[0])
```

[Submit Answer](#)

[Show Answer](#)

Completed 48 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types ✓
- PYTHON Numbers ✓
- PYTHON Strings ✓
- PYTHON Booleans ✓
- PYTHON Operators ✓
- PYTHON Lists ✓
- PYTHON Tuples ✓
- Exercise 1
- Exercise 2
- Exercise 3

Exercise:

Use the correct syntax to print the number of items in the `fruits` tuple.

```
fruits = ("apple", "banana", "cherry")
print(len(fruits))
```

[Submit Answer](#)

[Show Answer](#)

Completed 49 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types ✓
- PYTHON Numbers ✓
- PYTHON Strings ✓
- PYTHON Booleans ✓
- PYTHON Operators ✓
- PYTHON Lists ✓
- PYTHON Tuples

Exercise:

Use negative indexing to print the last item in the tuple.

```
fruits = ("apple", "banana", "cherry")
print(fruits[-1])
```

[Show Answer](#)

[Submit Answer >](#)

Completed 50 of 95 Exercises:

- PYTHON Syntax ✓
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types ✓
- PYTHON Numbers ✓
- PYTHON Strings ✓
- PYTHON Booleans ✓
- PYTHON Operators ✓
- PYTHON Lists ✓
- PYTHON Tuples

Exercise:

Use a range of indexes to print the third, fourth, and fifth item in the tuple.

```
fruits = ("apple", "banana", "cherry", "orange", "kiwi", "melon", "mango")
print(fruits[2:5])
```

[Show Answer](#)

[Submit Answer >](#)

The screenshot shows a Windows desktop environment. At the top, there is a taskbar with several pinned icons and two open browser tabs: "Python Tutorial" and "Exercise v3.0". The "Exercise v3.0" tab is active, displaying content from www.w3schools.com/python/exercise.asp. The page shows a sidebar with navigation links for Python topics like Tuples, Sets, Dictionaries, If...Else, While Loops, For Loops, Functions, and Lambda. The main content area is titled "Exercise:" and contains a question: "Check if 'apple' is present in the fruits set." Below the question is a code snippet:

```
fruits = {"apple", "banana", "cherry"}  
if "apple" in fruits:  
    print("Yes, apple is a fruit!")
```

At the bottom of the content area are two buttons: "Submit Answer >" and "Show Answer". The system tray at the bottom right shows the date as 8/4/2021, the time as 10:40 AM, and the weather as 31°C Light rain.

This screenshot shows a second instance of the same Windows desktop setup as the first one. It features a second browser window with the same "Exercise v3.0" tab active, displaying the same Python exercise content from www.w3schools.com/python/exercise.asp. The sidebar, exercise question, code snippet, and buttons are identical to the first screenshot. The taskbar, system tray, and overall desktop appearance are also identical.

Completed 53 of 95 Exercises:

PYTHON Operators ✓
PYTHON Lists ✓
PYTHON Tuples ✓
PYTHON Sets

Exercise 1
Exercise 2
Exercise 3
Exercise 4
Exercise 5

Go to PYTHON Sets Tutorial

Use the correct method to add multiple items (`more_fruits`) to the `fruits` set.

```
fruits = {"apple", "banana", "cherry"}  
more_fruits = ["orange", "mango", "grapes"]  
fruits.update(more_fruits)
```

Show Answer

Submit Answer >

Completed 54 of 95 Exercises:

PYTHON Lists ✓
PYTHON Tuples ✓
PYTHON Sets

Exercise 1
Exercise 2
Exercise 3
Exercise 4
Exercise 5

Go to PYTHON Sets Tutorial

Use the `remove` method to remove "banana" from the `fruits` set.

```
fruits = {"apple", "banana", "cherry"}  
fruits.remove("banana")
```

Show Answer

Submit Answer >

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Exercise v3.0". The page content is as follows:

Completed 55 of 95 Exercises:

PYTHON Tuples

PYTHON Sets

- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5**

[Go to PYTHON Sets Tutorial](#)

PYTHON Dictionaries

PYTHON If...Else

PYTHON While Loops

PYTHON For Loops

PYTHON Functions

...

Exercise:

Use the `discard` method to remove "banana" from the fruits set.

```
fruits = {"apple", "banana", "cherry"}  
fruits.discard("banana")
```

[Submit Answer >](#) [Show Answer](#)

At the bottom of the browser window, there is a taskbar with various icons and system status information.

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Exercise v3.0". The page content is as follows:

Completed 56 of 95 Exercises:

PYTHON SETS

PYTHON Dictionaries

Exercise 1

- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5

[Go to PYTHON Dictionaries Tutorial](#)

PYTHON If...Else

PYTHON While Loops

PYTHON For Loops

PYTHON Functions

PYTHON Lambda

PYTHON Classes

...

Exercise:

Use the `get` method to print the value of the "model" key of the `car` dictionary.

```
car = {  
    "brand": "Ford",  
    "model": "Mustang",  
    "year": 1964  
}  
  
print(car.get("model"))
```

[Submit Answer >](#) [Show Answer](#)

At the bottom of the browser window, there is a taskbar with various icons and system status information.

Completed 57 of 95 Exercises:

- PYTHON Syntax
- PYTHON Comments ✓
- PYTHON Variables ✓
- PYTHON Data Types ✓
- PYTHON Numbers ✓
- PYTHON Strings ✓
- PYTHON Booleans ✓
- PYTHON Operators ✓
- PYTHON Lists ✓
- PYTHON Tuples ✓
- PYTHON Sets ✓
- PYTHON Dictionaries

Exercise:

Change the "year" value from 1964 to 2020.

```
car = {  
    "brand": "Ford",  
    "model": "Mustang",  
    "year": 1964  
}  
car["year"] = 2020
```

[Show Answer](#)

[Submit Answer >](#)

Completed 58 of 95 Exercises:

- Exercise 3
- Exercise 4
- Exercise 5

Go to PYTHON Dictionaries Tutorial

- PYTHON If...Else
- PYTHON While Loops
- PYTHON For Loops
- PYTHON Functions
- PYTHON Lambda
- PYTHON Classes
- PYTHON Inheritance
- PYTHON Modules

Exercise:

Add the key/value pair "color" : "red" to the `car` dictionary.

```
car = {  
    "brand": "Ford",  
    "model": "Mustang",  
    "year": 1964  
}  
car["color"] = "red"
```

[Show Answer](#)

[Submit Answer >](#)

Completed 59 of 95 Exercises:

- PYTHON Tuples
- PYTHON Sets
- PYTHON Dictionaries

Exercise 4

Use the `pop` method to remove "model" from the `car` dictionary.

```
car = {  
    "brand": "Ford",  
    "model": "Mustang",  
    "year": 1964  
}  
car.pop("model")
```

Show Answer

Submit Answer >

Completed 60 of 95 Exercises:

- Exercise 3
- Exercise 4
- Exercise 5

Exercise:

Use the `clear` method to empty the `car` dictionary.

```
car = {  
    "brand": "Ford",  
    "model": "Mustang",  
    "year": 1964  
}  
car.clear()
```

Show Answer

Submit Answer >

The screenshot shows a web browser window with the URL www.w3schools.com/python/exercise.asp. The page displays a sidebar menu for Python Dictionaries, with 'Exercise 1' selected. The main content area shows an exercise titled 'Exercise:' with the instruction 'Print "Hello World" If `a` is greater than `b`'. Below the instruction is a code editor containing:

```
a = 50
b = 10
if a > b:
    print("Hello World")
```

At the bottom of the code editor is a green 'Submit Answer' button, and to its right is a 'Show Answer' button.

The screenshot shows a web browser window with the URL www.w3schools.com/python/exercise.asp. The page displays a sidebar menu for Python If...Else, with 'Exercise 2' selected. The main content area shows an exercise titled 'Exercise:' with the instruction 'Print "Hello World" If `a` is not equal to `b`'. Below the instruction is a code editor containing:

```
a = 50
b = 10
if a != b:
    print("Hello World")
```

At the bottom of the code editor is a green 'Submit Answer' button, and to its right is a 'Show Answer' button.

The screenshot shows a web browser window with the URL www.w3schools.com/python/exercise.asp. The page displays a sidebar with navigation links for Python topics: Python Tutorial, Python - Remove Dictionary, Exercise v3.0, Google Translate, and a search bar. Below the sidebar, a message says "Completed 63 of 95 Exercises". A dropdown menu shows "PYTHON Dictionaries" and "PYTHON If...Else" are selected. The main content area is titled "Exercise:" and contains the following text:
Print "Yes" if `a` is equal to `b`, otherwise print "No".

```
a = 50
b = 10
if a == b:
    print("Yes")
else:
    print("No")
```

At the bottom of the exercise box are two buttons: "Submit Answer" and "Show Answer".

This screenshot is identical to the one above, showing the same browser interface and exercise content for "PYTHON If...Else". The only difference is the progress message at the top: "Completed 64 of 95 Exercises".

Completed 65 of 95 Exercises:

PYTHON Dictionaries

PYTHON If...Else

- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5**
- Exercise 6
- Exercise 7
- Exercise 8
- Exercise 9

Print "Hello" If `a` is equal to `b`, and `c` is equal to `d`.

```
if a == b and c == d:  
    print("Hello")
```

Show Answer

Submit Answer >

Completed 66 of 95 Exercises:

PYTHON Dictionaries

PYTHON If...Else

- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5
- Exercise 6**
- Exercise 7
- Exercise 8
- Exercise 9

Print "Hello" If `a` is equal to `b`, or if `c` is equal to `d`.

```
if a == b or c == d:  
    print("Hello")
```

Show Answer

Submit Answer >

Completed 67 of 95 Exercises:

PYTHON If...Else

- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5
- Exercise 6
- Exercise 7**
- Exercise 8
- Exercise 9

Go to PYTHON If_Else Tutorial

PYTHON While Loops

PYTHON For Loops

PYTHON Functions

PYTHON Lambda

Type here to search

if 5 > 2:
 print("Five is greater than two!")

Show Answer

Submit Answer

Completed 68 of 95 Exercises:

PYTHON If...Else

- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5
- Exercise 6
- Exercise 7
- Exercise 8**
- Exercise 9

Go to PYTHON If_Else Tutorial

PYTHON While Loops

PYTHON For Loops

PYTHON Functions

PYTHON Lambda

Type here to search

if 5 > 2: print("Five is greater than two!")

Show Answer

Submit Answer

The screenshot shows a web browser window with the URL www.w3schools.com/python/exercise.asp. The page displays a sidebar with a list of completed exercises (Exercise 2, Exercise 3, Exercise 4, Exercise 5, Exercise 6, Exercise 7, Exercise 8) and an active exercise titled "Exercise 9". The exercise content asks to use short-hand syntax to write a conditional expression in one line. The code provided is:

```
print("Yes") if 5 > 2 else print("No")
```

Below the code are two buttons: "Submit Answer" and "Show Answer".

The screenshot shows a web browser window with the URL www.w3schools.com/python/exercise.asp. The sidebar shows completed exercises (Exercise 2, Exercise 3, Exercise 4) and an active exercise titled "Exercise 1". The exercise content asks to print `i` as long as `i` is less than 6. The code provided is:

```
i = 1
while i < 6:
    print(i)
    i += 1
```

Below the code are two buttons: "Submit Answer" and "Show Answer".

The screenshot shows a web browser window with the URL www.w3schools.com/python/exercise.asp. The page displays a sidebar with a navigation menu for Python topics, including 'PYTHON Tuples', 'PYTHON Sets', 'PYTHON Dictionaries', 'PYTHON If...Else', 'PYTHON While Loops', and 'PYTHON Classes'. Under 'PYTHON While Loops', 'Exercise 1' is marked as completed (green checkmark), while 'Exercise 2' is currently selected. The main content area shows the following exercise:

Exercise:

Stop the loop if `i` is 3.

```
i = 1
while i < 6:
    if i == 3:
        break
    i += 1
```

Show Answer

Submit Answer >

The status bar at the bottom indicates it's 10:55 AM on 8/4/2021, with a weather forecast of 31°C Rain showers.

This screenshot shows the same web browser window after completing Exercise 2. The sidebar now shows 'Exercise 3' as completed (green checkmark). The main content area displays a new exercise:

Exercise:

In the loop, when `i` is 3, jump directly to the next iteration.

```
i = 0
while i < 6:
    i += 1
    if i == 3:
        continue
    print(i)
```

Show Answer

Submit Answer >

The status bar at the bottom indicates it's 10:57 AM on 8/4/2021, with a weather forecast of 31°C Rain showers.

The screenshot shows a web browser window with the URL www.w3schools.com/python/exercise.asp. The page displays a sidebar with navigation links for Python tutorials and exercises. The main content area shows an exercise titled "Exercise:" with the instruction "Print a message once the condition is false." Below the instruction is a code editor containing the following Python code:

```
i = 1
while i < 6:
    print(i)
    i += 1
else:
    print("i is no longer less than 6")
```

At the bottom of the code editor are two buttons: "Submit Answer" and "Show Answer".

The screenshot shows a web browser window with the URL www.w3schools.com/python/exercise.asp. The sidebar shows the user has completed 74 of 95 exercises. The main content area shows an exercise titled "Exercise:" with the instruction "Loop through the items in the fruits list." Below the instruction is a code editor containing the following Python code:

```
fruits = ["apple", "banana", "cherry"]
for x in fruits:
    print(x)
```

At the bottom of the code editor are two buttons: "Submit Answer" and "Show Answer".

The screenshot shows a Windows desktop environment. In the center is a Microsoft Edge browser window displaying a Python exercise page from w3schools.com. The title bar of the browser says "Exercise v3.0". The left sidebar of the browser lists completed exercises: "Completed 75 of 95 Exercises" followed by "PYTHON While Loops" and "PYTHON For Loops". Under "PYTHON For Loops", "Exercise 1" is marked as completed (green checkmark), while "Exercise 2" is currently selected (highlighted in green). The main content area contains the following text and code:

In the loop, when the item value is "banana", jump directly to the next item.

```
fruits = ["apple", "banana", "cherry"]
for x in fruits:
    if x == "banana":
        continue
    print(x)
```

At the bottom right of the content area is a "Show Answer" button. Below the content area is a "Submit Answer" button.

This screenshot is identical to the one above, showing the same Windows desktop environment and Microsoft Edge browser window. The browser title bar now says "Exercise v3.0". The left sidebar shows "Completed 76 of 95 Exercises" and lists "PYTHON Dictionaries", "PYTHON If...Else", "PYTHON While Loops", and "PYTHON For Loops". Under "PYTHON For Loops", both "Exercise 1" and "Exercise 2" are marked as completed (green checkmarks). The main content area contains the following text and code:

Use the `range` function to loop through a code set 6 times.

```
for x in range(6):
    print(x)
```

At the bottom right of the content area is a "Show Answer" button. Below the content area is a "Submit Answer" button.

Completed 77 of 95 Exercises:

PYTHON If...Else ✓
PYTHON While Loops ✓
PYTHON For Loops

Exercise 1
Exercise 2
Exercise 3
Exercise 4

```
fruits = ["apple", "banana", "cherry"]
for x in fruits:
    if x == "banana":
        break
    print(x)
```

Show Answer

Submit Answer >

Type here to search

Completed 78 of 95 Exercises:

PYTHON While Loops ✓
PYTHON For Loops ✓
PYTHON Functions

Exercise 1
Exercise 2
Exercise 3
Exercise 4
Exercise 5
Exercise 6

Go to PYTHON Functions Tutorial

```
def my_function():
    print("Hello from a function")
```

Show Answer

Submit Answer >

Type here to search

Completed 79 of 95 Exercises:

- PYTHON Dictionaries ✓
- PYTHON If...Else ✓
- PYTHON While Loops ✓
- PYTHON For Loops ✓
- PYTHON Functions ✓
- Exercise 1
- Exercise 2**
- Exercise 3
- Exercise 4
- Exercise 5
- Exercise 6

Go to PYTHON Functions Tutorial

Exercise:

Execute a function named `my_function`.

```
def my_function():
    print("Hello from a function")

my_function()
```

Show Answer

Submit Answer >

Completed 80 of 95 Exercises:

- PYTHON If...Else ✓
- PYTHON While Loops ✓
- PYTHON For Loops ✓
- PYTHON Functions ✓
- Exercise 1
- Exercise 2
- Exercise 3**
- Exercise 4
- Exercise 5
- Exercise 6

Go to PYTHON Functions Tutorial

Exercise:

Inside a function with two parameters, print the first parameter.

```
def my_function(fname, lname):
    print(fname)
```

Show Answer

Submit Answer >

Completed 81 of 95 Exercises:

PYTHON While Loops ✓

PYTHON For Loops ✓

PYTHON Functions

- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4**
- Exercise 5
- Exercise 6

Go to PYTHON Functions Tutorial

PYTHON Lambda

PYTHON Classes

PYTHON Inheritance

PYTHON Modules

Exercise:

Let the function return the x parameter + 5.

```
def my_function(x):
    return x + 5
```

Show Answer

Completed 82 of 95 Exercises:

PYTHON While Loops ✓

PYTHON For Loops ✓

PYTHON Functions

- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5**
- Exercise 6

Go to PYTHON Functions Tutorial

PYTHON Lambda

PYTHON Classes

PYTHON Inheritance

PYTHON Modules

Exercise:

If you do not know the number of arguments that will be passed into your function, there is a prefix you can add in the function definition, which prefix?

```
def my_function(*kids):
    print("The youngest child is " + kids[2])
```

Show Answer

The screenshot shows a Microsoft Edge browser window with the following details:

- Title Bar:** Python Tutorial, Python Functions, Exercise v3.0, Google Translate.
- Address Bar:** www.w3schools.com/python/exercise.asp
- Left Sidebar (Table of Contents):**
 - Completed 83 of 95 Exercises:
 - PYTHON FOR LOOPS
 - PYTHON Functions
 - Exercise 1
 - Exercise 2
 - Exercise 3
 - Exercise 4
 - Exercise 5
 - Exercise 6**
 - Go to PYTHON Functions Tutorial
 - PYTHON Lambda
 - PYTHON Classes
 - PYTHON Inheritance
 - PYTHON Modules
- Main Content Area:**

Exercise:

If you do not know the number of *keyword* arguments that will be passed into your function, there is a prefix you can add in the function definition, which prefix?

```
def my_function(*|kid):
    print("His last name is " + kid["lname"])
```

Show Answer button

Submit Answer button
- System Tray:** 31°C Rain showers, ENG, 8/4/2021, 11:04 AM

The screenshot shows a Microsoft Edge browser window with the following details:

- Title Bar:** Python Tutorial, Python Lambda, Exercise v3.0, Google Translate.
- Address Bar:** www.w3schools.com/python/exercise.asp
- Left Sidebar (Table of Contents):**
 - Completed 84 of 95 Exercises:
 - PYTHON Sets ✓
 - PYTHON Dictionaries ✓
 - PYTHON If...Else ✓
 - PYTHON While Loops ✓
 - PYTHON For Loops ✓
 - PYTHON Functions ✓
 - PYTHON Lambda**
 - Exercise 1
 - Go to PYTHON Lambda Tutorial
 - PYTHON Classes
 - PYTHON Inheritance
 - PYTHON Modules
- Main Content Area:**

Exercise:

Create a lambda function that takes one parameter (a) and returns it.

```
x = lambda a : a
```

Show Answer button

Submit Answer button
- System Tray:** 31°C Rain showers, ENG, 8/4/2021, 11:07 AM

Completed 85 of 95 Exercises:

- PYTHON If...Else
- PYTHON While Loops
- PYTHON For Loops
- PYTHON Functions
- PYTHON Lambda
- PYTHON Classes

Exercise 1

Create a class named MyClass:

```
class MyClass:  
    x = 5
```

Submit Answer **Show Answer**

Completed 86 of 95 Exercises:

- PYTHON While Loops
- PYTHON For Loops
- PYTHON Functions
- PYTHON Lambda
- PYTHON Classes

Exercise 2

Create an object of MyClass called p1:

```
class MyClass:  
    x = 5  
  
p1 = MyClass()
```

Submit Answer **Show Answer**

The screenshot shows a web browser window with the URL www.w3schools.com/python/exercise.asp. The browser has multiple tabs open, including "Python Tutorial", "Python Classes", "Exercise v3.0", and "Google Translate". The main content area displays a progress bar indicating "Completed 87 of 95 Exercises". On the left, a sidebar lists Python topics: PYTHON While Loops, PYTHON For Loops, PYTHON Functions, PYTHON Lambda, PYTHON Classes, and others. Under "PYTHON Classes", "Exercise 3" is selected. The main content area contains the following code:

```
class MyClass:  
    x = 5  
  
p1 = MyClass()  
  
print(p1.x)
```

Below the code is a "Submit Answer" button and a "Show Answer" button.

This screenshot shows the same web browser window at a later point in time. The progress bar now indicates "Completed 88 of 95 Exercises". The sidebar and code remain the same as in the first screenshot. The "Show Answer" button is visible in the bottom right corner of the code editor area.

The screenshot shows a Microsoft Edge browser window with the following details:

- Title Bar:** Python Tutorial, Python Inheritance, Exercise v3.0, Google Translate.
- Address Bar:** www.w3schools.com/python/exercise.asp
- Left Sidebar:** A sidebar titled "Completed 89 of 95 Exercises:" with a list of Python topics:
 - PYTHON Dictionaries ✓
 - PYTHON If...Else ✓
 - PYTHON While Loops ✓
 - PYTHON For Loops ✓
 - PYTHON Functions ✓
 - PYTHON Lambda ✓
 - PYTHON Classes ✓
 - PYTHON Inheritance
- Current Section:** "Exercise 1" is highlighted in green.
- Content Area:** The main content asks: "What is the correct syntax to create a class named `Student` that will inherit properties and methods from a class named `Person` ?" Below this is a code editor with the following code:

```
class Student(Person):
```
- Buttons:** "Submit Answer" button and a "Show Answer" button.
- Bottom Bar:** Windows taskbar with various pinned icons.

This screenshot shows the same Microsoft Edge browser window after the user has completed the first exercise.

- Title Bar:** Python Tutorial, Python Inheritance, Exercise v3.0, Google Translate.
- Address Bar:** www.w3schools.com/python/exercise.asp
- Left Sidebar:** The sidebar now shows "Completed 90 of 95 Exercises:" and includes "Exercise 1" and "Exercise 2" under the "PYTHON Inheritance" section.
- Content Area:** The main content states: "We have used the `Student` class to create an object named `x`." It then asks: "What is the correct syntax to execute the `printname` method of the object `x`?" Below this is a code editor with the following code:

```
class Person:  
    def __init__(self, fname):  
        self.firstname = fname  
  
    def printname(self):  
        print(self.firstname)  
  
class Student(Person):  
    pass  
  
x = Student("Mike")  
x.printname()
```
- Buttons:** "Show Answer" button.
- Bottom Bar:** Windows taskbar with various pinned icons.

The screenshot shows a Microsoft Edge browser window with the following details:

- Title Bar:** Python Tutorial, Python Inheritance, Exercise v3.0, Google Translate.
- Address Bar:** www.w3schools.com/python/exercise.asp
- Content Area:**
 - A sidebar on the left lists completed exercises: PYTHON While Loops, PYTHON For Loops, PYTHON Functions, PYTHON Lambda, PYTHON Classes, PYTHON Inheritance, and PYTHON Modules. PYTHON Modules has a green checkmark next to it, indicating it's currently selected.
 - The main area displays the text: "Completed 91 of 95 Exercises:"
 - A heading "Exercise:" is followed by the question: "What is the correct syntax to import a module named "mymodule"?"
 - A code editor box contains the partial code: "import| mymodule".
 - A "Show Answer" button is located in the bottom right corner of the exercise box.
 - A "Submit Answer >" button is located below the code editor.
- Taskbar:** Shows various pinned icons including Online Voice Recorder, JavaFX GUI, Seori - Lovers..., Python Full Course, Android App Dev., songs to make you happy, Josee, the tiger, and more.
- System Tray:** Displays weather (32°C Mostly cloudy), battery level, signal strength, and system status.

The screenshot shows a Microsoft Edge browser window with the following details:

- Title Bar:** Python Tutorial, Python Inheritance, Exercise v3.0, Google Translate.
- Address Bar:** www.w3schools.com/python/exercise.asp
- Content Area:**
 - A sidebar on the left lists completed exercises: PYTHON While Loops, PYTHON For Loops, PYTHON Functions, PYTHON Lambda, PYTHON Classes, PYTHON Inheritance, and PYTHON Modules. PYTHON Modules has a green checkmark next to it, indicating it's currently selected.
 - The main area displays the text: "Completed 92 of 95 Exercises:"
 - A heading "Exercise:" is followed by the question: "If you want to refer to a module by using a different name, you can create an alias."
 - The question "What is the correct syntax for creating an alias for a module?" is displayed below.
 - A code editor box contains the code: "import mymodule as mx".
 - A "Show Answer" button is located in the bottom right corner of the exercise box.
 - A "Submit Answer >" button is located below the code editor.
- Taskbar:** Shows various pinned icons including Online Voice Recorder, JavaFX GUI, Seori - Lovers..., Python Full Course, Android App Dev., songs to make you happy, Josee, the tiger, and more.
- System Tray:** Displays weather (32°C Mostly cloudy), battery level, signal strength, and system status.

The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** www.w3schools.com/python/exercise.asp
- Tab Bar:** Python Tutorial, Python Modules, Python Tryit Editor v1.0, Exercise v3.0, Google Translate.
- Content Area:**
 - A sidebar on the left lists completed exercises: PYTHON While Loops, PYTHON For Loops, PYTHON Functions, PYTHON Lambda, PYTHON Classes, PYTHON Inheritance, and PYTHON Modules. Under PYTHON Modules, "Exercise 1" and "Exercise 2" are checked, while "Exercise 3" is selected (highlighted in green).
 - The main content area asks: "What is the correct syntax of printing all variables and function names of the "mymodule" module?"
 - A code editor box contains the following Python code:

```
import mymodule

print(dir(mymodule))
```
 - Buttons at the bottom right include "Show Answer" and "Submit Answer >".
- Taskbar:** Shows various pinned icons like File Explorer, Task View, and Microsoft Store.
- System Tray:** Displays weather (32°C Mostly cloudy), battery level, signal strength, and system status.

The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** www.w3schools.com/python/exercise.asp
- Tab Bar:** Python Tutorial, Python Modules, Python Tryit Editor v1.0, Exercise v3.0, Google Translate.
- Content Area:**
 - A sidebar on the left lists completed exercises: PYTHON While Loops, PYTHON For Loops, PYTHON Functions, PYTHON Lambda, PYTHON Classes, PYTHON Inheritance, and PYTHON Modules. Under PYTHON Modules, "Exercise 1", "Exercise 2", and "Exercise 3" are checked, while "Exercise 4" is selected (highlighted in green).
 - The main content area asks: "What is the correct syntax of importing only the person1 dictionary of the "mymodule" module?"
 - A code editor box contains the following Python code:

```
from mymodule import person1
```
 - Buttons at the bottom right include "Show Answer" and "Submit Answer >".
- Taskbar:** Shows various pinned icons like File Explorer, Task View, and Microsoft Store.
- System Tray:** Displays weather (32°C Mostly cloudy), battery level, signal strength, and system status.