

School: CLOUDBOOSTA	Course: Cloud Computing & DevOps
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	Class 4: Assignment 1 of 4_ Python Lab 1
Student No: CBALC0168	Issue Date: March 17, 2026

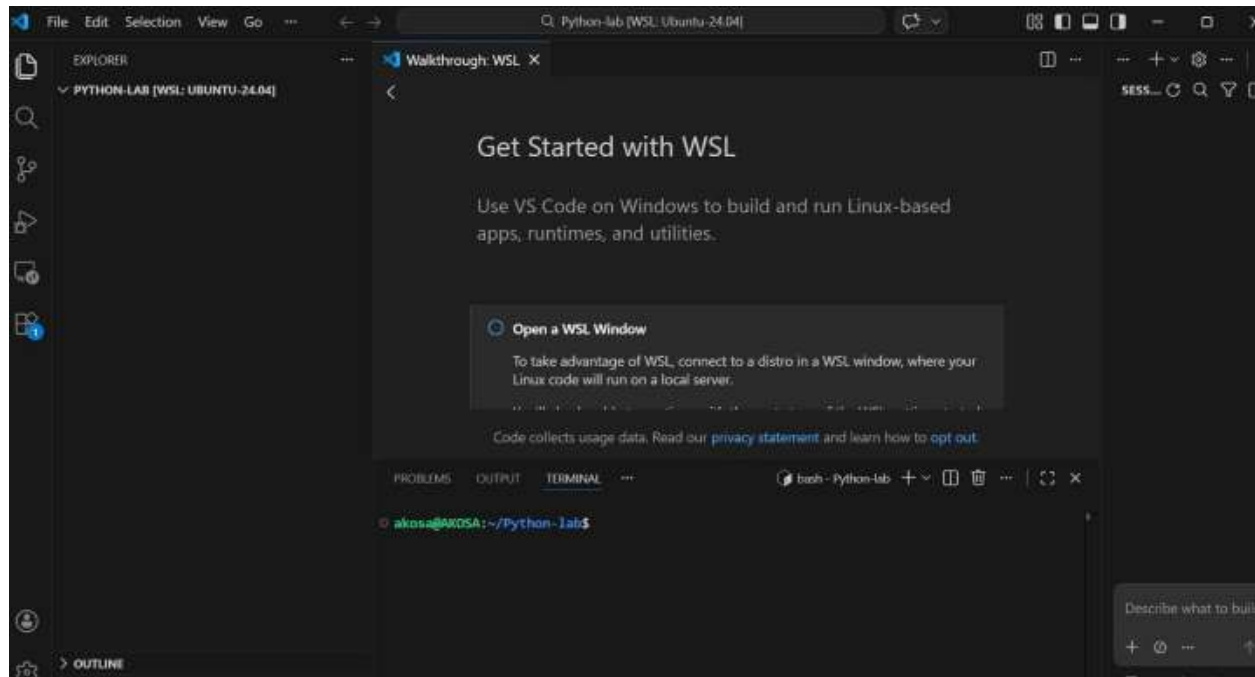
Requirements:

1. Set up Visual Studio Code, for Python lab
2. Familiarise with Python basics

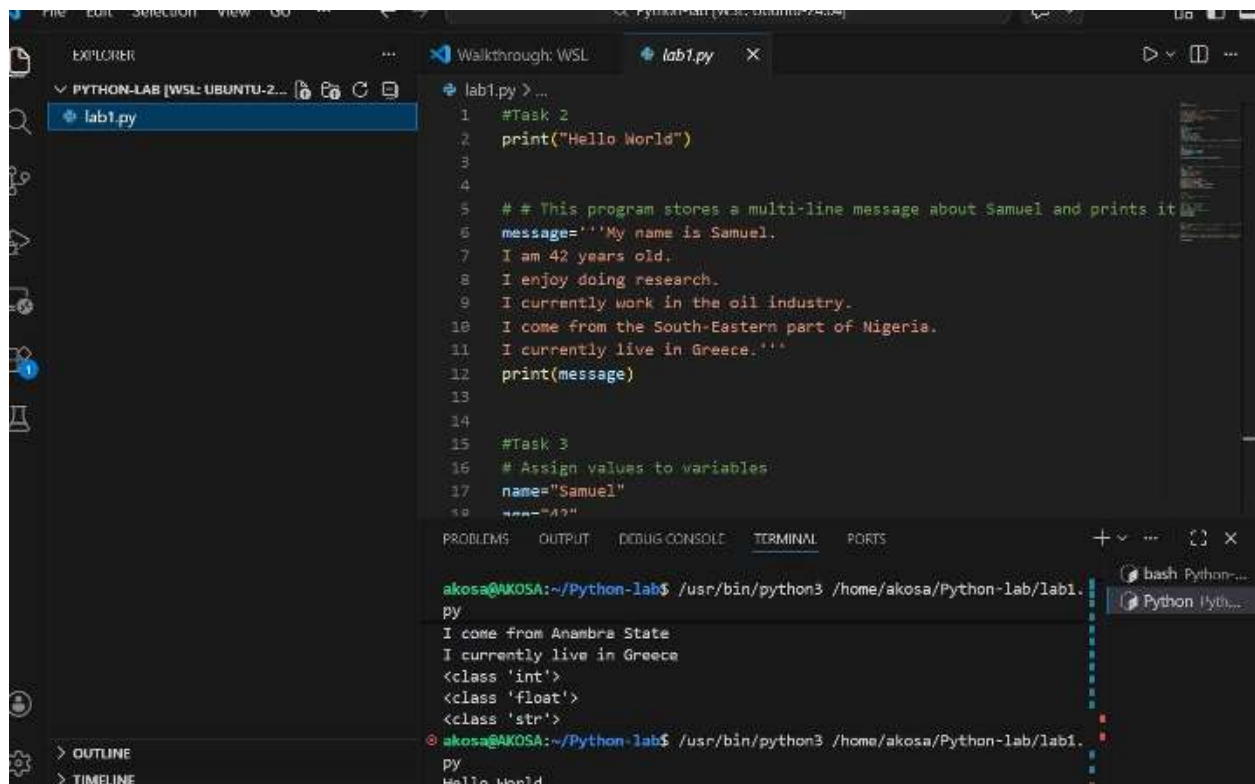
Please click on the link to access **lab1.py** file:

https://drive.google.com/file/d/1b5Hv7fN0Q3-1ImzAu3K8ApYGf1qkhzBt/view?usp=drive_link

Task 1:



Output from VS Code Terminal:



The screenshot shows the Visual Studio Code interface with a Python file named 'lab1.py' open. The file contains two tasks. Task 2 prints 'Hello World'. Task 3 assigns values to variables and prints them. The terminal shows the output of running the script, including the multi-line message and the data types of the variables.

```
lab1.py > ...
1 #Task 2
2 print("Hello World")
3
4
5 # # This program stores a multi-line message about Samuel and prints it
6 message='My name is Samuel.
7 I am 42 years old.
8 I enjoy doing research.
9 I currently work in the oil industry.
10 I come from the South-Eastern part of Nigeria.
11 I currently live in Greece.'
12 print(message)
13
14
15 #Task 3
16 # Assign values to variables
17 name="Samuel"
18 age=42
19 weight=74.54
```

```
akosa@AKOSA:~/Python-lab$ /usr/bin/python3 /home/akosa/Python-lab/lab1.py
Hello World
I come from Anambra State
I currently live in Greece
<class 'int'>
<class 'float'>
<class 'str'>
```

Output from Ubuntu Terminal:

```
akosa@AKOSA:~$ python3 Python-lab/lab1.py | tee output.txt
Hello World
My name is Samuel.
I am 42 years old.
I enjoy doing research.
I currently work in the oil industry.
I come from the South-Eastern part of Nigeria.
I currently live in Greece.
Samuel
42
doing research
oil industry
Anambra
Greece
21 14 6 8.0 5
My name is Samuel
I am 42 years old
I enjoy doing research
I currently work for an oil company
I come from Anambra State
I currently live in Greece
<class 'int'>
<class 'float'>
<class 'str'>
Hello Samuel, you are 42 years old.
Hello world.
Welcome to Cloudboosta.
Let's keep learning.
akosa@AKOSA:~$ |
```

Input in VS Code:

#Task 2

```
print("Hello World")
```

```
## This program stores a multi-line message about Samuel and prints it
```

```
message="My name is Samuel.
```

```
I am 42 years old.
```

```
I enjoy doing research.
```

```
I currently work in the oil industry.  
I come from the South-Eastern part of Nigeria.  
I currently live in Greece."  
print(message)
```

#Task 3

```
# Assign values to variables  
name="Samuel"  
age="42"  
hobby="doing research"  
industry="oil industry"  
state_of_origin="Anambra"  
current_residence="Greece"  
print(name,"\n",age,"\n",hobby,"\n",industry,"\n",state_of_origin,"\n",current_residence)
```

#Task 4

```
# This program performs basic arithmetic operations and type conversions  
sum1 = 8 + 13  
sub = 20 - 6  
int_conversion = int(6.99)  
float_conversion = float(8)  
y = 100 % 19  
  
print(sum1,sub,int_conversion,float_conversion,y)
```

#Task 5

```
# This program stores personal information in variables and prints them using f-strings
```

```
name = "Samuel"
```

```
age = 42
```

```
hobby = "doing research"
```

```
company = "an oil company"
```

```
state = "Anambra State"
```

```
country = "Greece"
```

```
print(f"My name is {name}")
```

```
print(f"I am {age} years old")
```

```
print(f"I enjoy {hobby}")
```

```
print(f"I currently work for {company}")
```

```
print(f"I come from {state}")
```

```
print(f"I currently live in {country}")
```

#Task 6

#Subtask 1:

```
# Create a variable to store my name
```

```
name = "Samuel"
```

#Subtask 2:

```
# Assign values to variables
```

```
num1 = 25    # integer
```

```
num2 = 6.75  # float
```

```
text = "Python" # string
```

```
# Print the type of each variable
```

```
print(type(num1))
```

```
print(type(num2))
```

```
print(type(text))
```

#Subtask 3:

```
# This program accepts a user's name and age and prints a greeting message
```

```
name = "Samuel"
```

```
age = 42
```

```
print(f"Hello {name}, you are {age} years old.")
```

#Subtask 4:

```
# This program prints a sentence on three lines using the newline escape character
```

```
message = "Hello world.\nWelcome to Cloudboosta.\nLet's keep learning."
```

```
print(message)
```