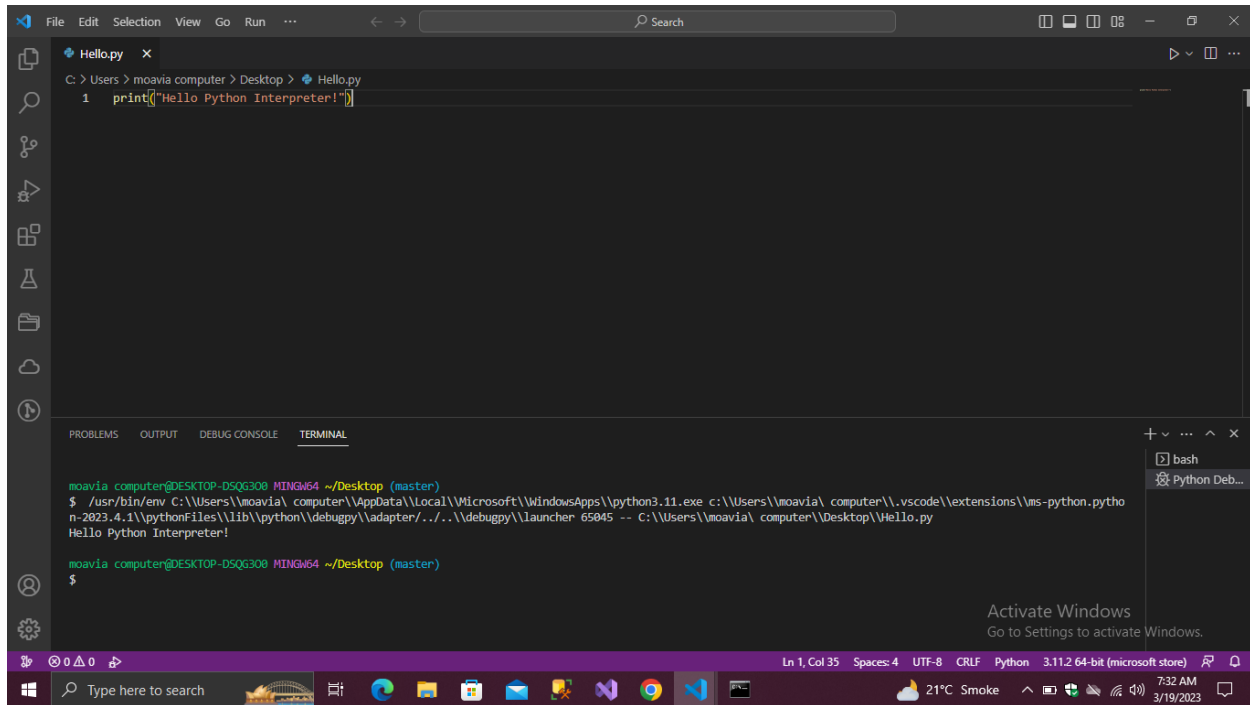


Ayesha Ashraf

Deep learning

All programs and there output practices



The screenshot shows the Visual Studio Code (VS Code) editor interface. The main editor window displays a file named `Hello.py` with the following content:

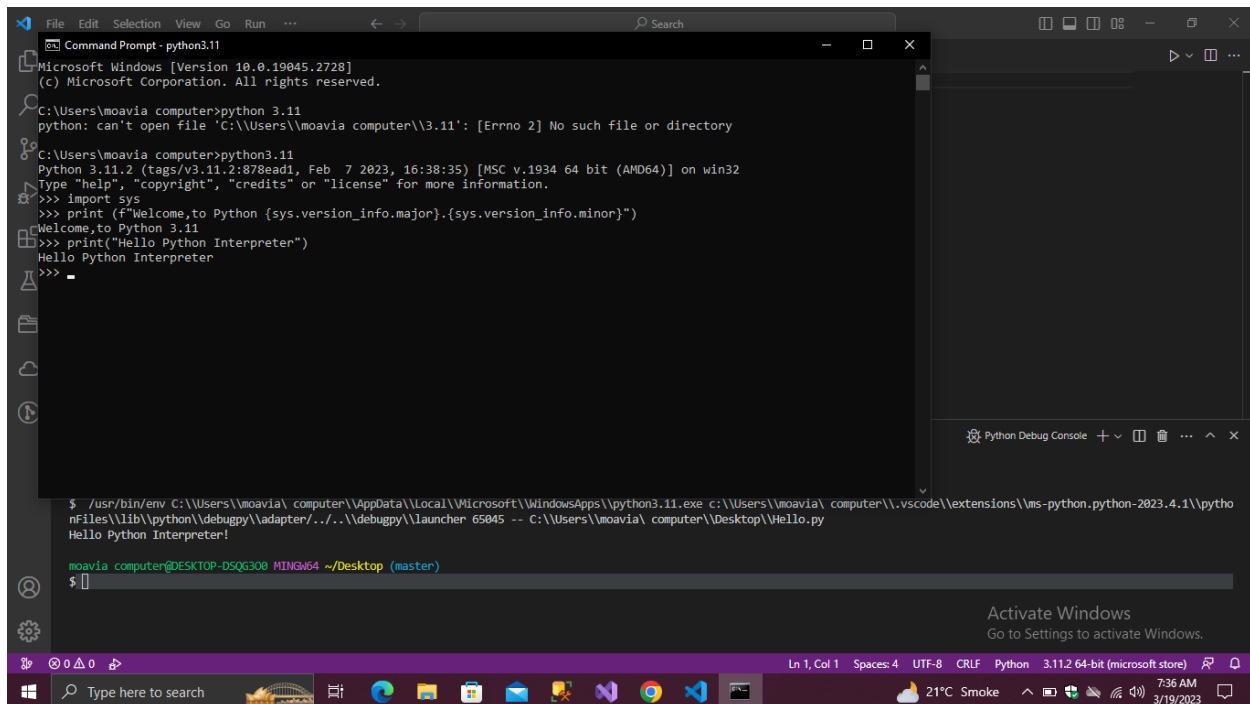
```
C:\Users\moavia\computer\Desktop> Hello.py
1 print("Hello Python Interpreter!")
```

The bottom panel shows the **TERMINAL** tab, which contains the following output:

```
moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ /usr/bin/env C:\Users\moavia\computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\computer\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65845 -- c:\Users\moavia\computer\Desktop\Hello.py
Hello Python Interpreter!

moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$
```

The status bar at the bottom indicates the file is `Ln 1, Col 35`, `Spaces: 4`, `UTF-8`, `CRLF`, `Python`, and `3.11.2 64-bit (microsoft store)`. The Windows taskbar at the bottom shows the time as 7:32 AM on 3/19/2023.



The screenshot shows the Visual Studio Code (VS Code) editor interface. The main editor window displays a **Command Prompt - python3.11** window with the following output:

```
Microsoft Windows [Version 10.0.19045.2728]
(c) Microsoft Corporation. All rights reserved.

C:\Users\moavia\computer>python 3.11
python: can't open file 'C:\Users\moavia\computer\3.11': [Errno 2] No such file or directory

C:\Users\moavia\computer>python3.11
Python 3.11.2 (tags/v3.11.2:878ead1, Feb 7 2023, 16:38:35) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import sys
>>> print(f"Welcome, to Python {sys.version_info.major}.{sys.version_info.minor}")
Welcome, to Python 3.11
>>> print("Hello Python Interpreter")
Hello Python Interpreter
>>>
```

The bottom panel shows the **TERMINAL** tab, which contains the following output:

```
$ /usr/bin/env C:\Users\moavia\computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\computer\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65845 -- c:\Users\moavia\computer\Desktop\Hello.py
Hello Python Interpreter!

moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$
```

The status bar at the bottom indicates the file is `Ln 1, Col 1`, `Spaces: 4`, `UTF-8`, `CRLF`, `Python`, and `3.11.2 64-bit (microsoft store)`. The Windows taskbar at the bottom shows the time as 7:36 AM on 3/19/2023.

```
File Edit Selection View Go Run ... Search
Command Prompt - python3.11
Microsoft Windows [Version 10.0.19045.2728]
(c) Microsoft Corporation. All rights reserved.

C:\Users\moavia computer>python 3.11
python: can't open file 'C:\Users\moavia computer\3.11': [Errno 2] No such file or directory

C:\Users\moavia computer>python3.11
Python 3.11.2 (tags/v3.11.2:878ead1, Feb 7 2023, 16:38:35) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import sys
>>> print(f"Welcome to Python {sys.version_info.major}.{sys.version_info.minor}")
Welcome to Python 3.11
>>> print("Hello Python Interpreter")
Hello Python Interpreter
>>> print("Hello Python World")
Hello Python World
>>>

$ /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65045 -- C:\Users\moavia\ computer\Desktop\Hello.py
Hello Python Interpreter!

moavia computer@DESKTOP-D5Q6300 MINGW64 ~/Desktop (master)
$ >>>print("Hello Python World")
bash: syntax error near unexpected token '>'

moavia computer@DESKTOP-D5Q6300 MINGW64 ~/Desktop (master)
$ []

Activate Windows
Go to Settings to activate Windows.
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python 3.11.2 64-bit (microsoft store) 7:38 AM 3/19/2023
```

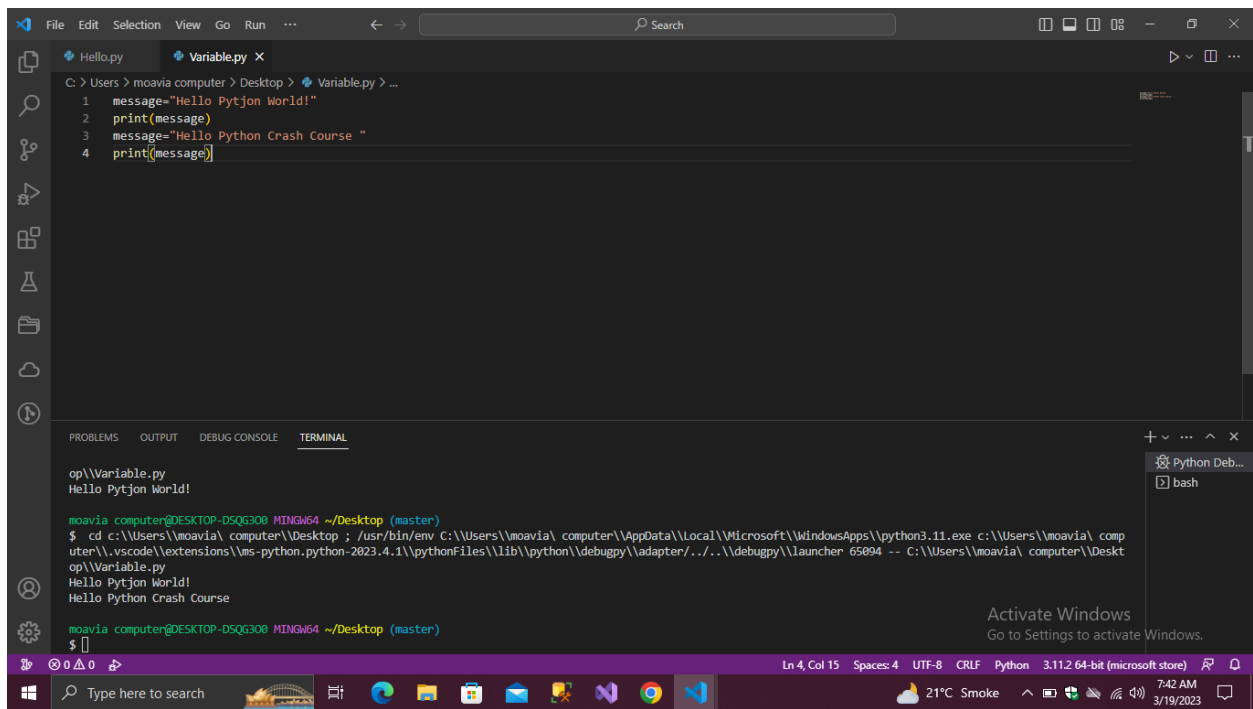
```
File Edit Selection View Go Run ... Search
Hello.py Variable.py X
C:\Users\moavia computer\Desktop> Variable.py
1 message="Hello Pytjon World!"
2 print(message)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65076 -- ""
C:\Users\moavia computer\AppData\Local\Microsoft\WindowsApps\PythonSoftwareFoundation.Python.3.11_qbz5n2kfra8p0\python.exe: can't find '__main__' module in 'C:\Users\moavia computer\Desktop'

moavia computer@DESKTOP-D5Q6300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65084 -- c:\Users\moavia\ computer\Desktop\Variable.py
Hello Pytjon World!

moavia computer@DESKTOP-D5Q6300 MINGW64 ~/Desktop (master)
$ []

Activate Windows
Go to Settings to activate Windows.
Ln 2, Col 15 Spaces: 4 UTF-8 CRLF Python 3.11.2 64-bit (microsoft store) 7:41 AM 3/19/2023
```



This screenshot shows the Visual Studio Code editor with a file named `Variable.py` open. The code in the editor is as follows:

```
1 message="Hello Pytjon World!"
2 print(message)
3 message="Hello Python Crash Course "
4 print(message)
```

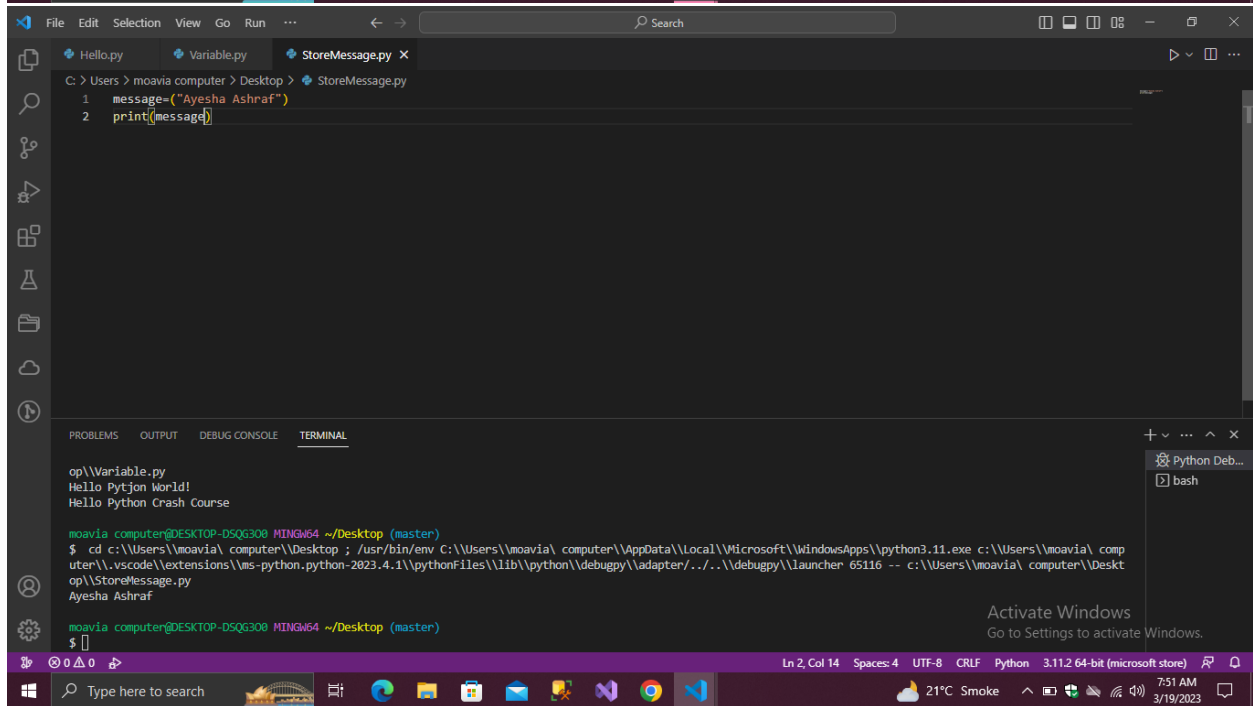
The terminal at the bottom shows the execution of the script. The prompt is `op\Variable.py`, and the output is:

```
Hello Pytjon World!
Hello Python Crash Course
```

The terminal also shows the command used to run the script:

```
moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\ Desktop\Variable.py
Hello Pytjon World!
Hello Python Crash Course
$ []
```

The status bar at the bottom indicates the file is at line 4, column 15, with 4 spaces, UTF-8 encoding, CRLF line endings, and Python 3.11.2 64-bit (microsoft store).



This screenshot shows the Visual Studio Code editor with a file named `StoreMessage.py` open. The code in the editor is as follows:

```
1 message=("Ayesha Ashraf")
2 print(message)
```

The terminal at the bottom shows the execution of the script. The prompt is `op\Variable.py`, and the output is:

```
Hello Pytjon World!
Hello Python Crash Course
Ayesha Ashraf
```

The terminal also shows the command used to run the script:

```
moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\ Desktop\StoreMessage.py
Ayesha Ashraf
$ []
```

The status bar at the bottom indicates the file is at line 2, column 14, with 4 spaces, UTF-8 encoding, CRLF line endings, and Python 3.11.2 64-bit (microsoft store).

The screenshot shows the Visual Studio Code editor with the file `ChangeVariable.py` open. The code in the editor is:

```
1 b=("Ayesha Ashraf")
2 print(b)
3 a=("Deep Learning Intern")
4 print(a)
```

The terminal at the bottom shows the execution of the script. The prompt is `op\StoreMessage.py` and the output is `Ayesha Ashraf`. The prompt is `op\ChangeVariable.py` and the output is `Ayesha Ashraf` and `Deep Learning Intern`. The terminal also shows the command `cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\ .\vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65129 -- c:\Users\moavia\ computer\Desktop\op\ChangeVariable.py` and the output `Ayesha Ashraf` and `Deep Learning Intern`. The status bar at the bottom shows `Ln 4, Col 9`, `Spaces: 4`, `UTF-8`, `CRLF`, `Python`, `3.11.2 64-bit (microsoft store)`, and the system tray shows `21°C`, `Smoke`, and the time `7:53 AM 3/19/2023`.

The screenshot shows the Visual Studio Code editor with the file `String.py` open. The code in the editor is:

```
1 name="ada lovelace"
2 print(name.title())
```

The terminal at the bottom shows the execution of the script. The prompt is `op\ChangeVariable.py` and the output is `Ayesha Ashraf` and `Deep Learning Intern`. The prompt is `op\String.py` and the output is `Ada Lovelace`. The terminal also shows the command `cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\ .\vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65141 -- c:\Users\moavia\ computer\Desktop\op\String.py` and the output `Ada Lovelace`. The status bar at the bottom shows `Ln 2, Col 20`, `Spaces: 4`, `UTF-8`, `CRLF`, `Python`, `3.11.2 64-bit (microsoft store)`, and the system tray shows `21°C`, `Smoke`, and the time `7:55 AM 3/19/2023`.

```
File Edit Selection View Go Run ... Search
Hello.py Variable.py StoreMessage.py ChangeVariable.py String.py Uppercase_Lowercase.py X
C:\Users> moavia computer > Desktop > Uppercase_Lowercase.py
1 name=("Ayesha Ashraf")
2 print(name.lower())
3 print(name.upper())

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
op\String.py
AdaloveLace

moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\
uter\\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65165 -- c:\Users\moavia\ computer\Desktop
op\Uppercase_Lowercase.py
ayesha ashraf
AYESHA ASHRAF

moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ []

Type here to search 21°C Smoke 7:59 AM 3/19/2023
```

```
File Edit Selection View Go Run ... Search
Hello.py Variable.py StoreMessage.py ChangeVariable.py String.py Uppercase_Lowercase.py Concatenate.py X
C:\Users> moavia computer > Desktop > Concatenate.py
1 first_name="Ayesha"
2 second_name="Ashraf"
3 full_name=first_name+" "+second_name
4 print(full_name)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
uter\\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65184 -- c:\Users\moavia\ computer\Desktop
op\Concatenate.py
AyeshaAshraf

moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ comp
uter\\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65191 -- c:\Users\moavia\ computer\Desktop
op\Concatenate.py
Ayesha Ashraf

moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ []

Type here to search 21°C Smoke 8:02 AM 3/19/2023
```

```
File Edit Selection View Go Run ... Search
Hello.py Variable.py StoreMessage.py ChangeVariable.py String.py Uppercase_Lowercase.py Concatenate.py concatenatetitle.py
C:\Users\moavia\computer\Desktop> cd c:\Users\moavia\computer\Desktop
1 first_name="Ayesha"
2 second_name="Ashraf"
3 full_name=first_name+" "+second_name
4 print("Assalam_O_Alaikum!" + full_name.title() + "...")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
print("Assalam_O_Alaikum!" + full_name.title()
SyntaxError: invalid syntax. Perhaps you forgot a comma?

moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\computer\Desktop ; /usr/bin/env C:\Users\moavia\computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\computer\
uter\\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65218 -- c:\Users\moavia\computer\Deskt
op\concatenatetitle.py
Assalam_O_Alaikum!Ayesha Ashraf...

moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ []

Type here to search 21°C Smoke 8:05 AM 3/19/2023
```

```
File Edit Selection View Go Run ... Search
variable.py StoreMessage.py ChangeVariable.py String.py Uppercase_Lowercase.py Concatenate.py concatenatetitle.py stringmessage.py
C:\Users\moavia\computer\Desktop> cd c:\Users\moavia\computer\Desktop
1 first_name="Ayesha"
2 second_name="Ashraf"
3 full_name=first_name+" "+second_name
4 message=("Assalam_O_Alaikum !" + full_name.title() + "...")
5 print(message)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
uter\\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65218 -- c:\Users\moavia\computer\Deskt
op\concatenatetitle.py
Assalam_O_Alaikum!Ayesha Ashraf...

moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\computer\Desktop ; /usr/bin/env C:\Users\moavia\computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\comp
uter\\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65239 -- c:\Users\moavia\computer\Deskt
op\stringmessage.py
Assalam_O_Alaikum !Ayesha Ashraf...

moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ []

Type here to search 21°C Smoke 8:07 AM 3/19/2023
```

The screenshot shows the Visual Studio Code editor with the file `EscapeSequence.py` open. The code in the editor is:

```
1 print("\t Python")
2 print("\nLanguages\nPython\javascript\t Crash Course")
```

The terminal at the bottom shows the command to run the script and its output:

```
moavia computer@DESKTOP-D5Q6300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\ Desktop\EscapeSequence.py
Python
Languages
Python\javascript      Crash Course
$ []
```

The status bar at the bottom indicates the file is at line 2, column 51, with 4 spaces, UTF-8 encoding, CRLF line endings, and the Python 3.11.2 64-bit (microsoft store) interpreter.

The screenshot shows the Visual Studio Code editor with the file `strip.py` open. The code in the editor is:

```
1 language= 'python '
2 print(language.rstrip())
3 print(language.lstrip())
4 print([language.strip()])
```

The terminal at the bottom shows the command to run the script and its output:

```
op\strip.py

moavia computer@DESKTOP-D5Q6300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\ Desktop\strip.py
python
python
python
$ []
```

The status bar at the bottom indicates the file is at line 4, column 24, with 4 spaces, UTF-8 encoding, CRLF line endings, and the Python 3.11.2 64-bit (microsoft store) interpreter.

The screenshot shows the Visual Studio Code editor with a file named `personal_message2.3.py` open. The code in the editor is:

```
1 a="Ayesha"
2 message="Hi\t" + a + "\twould you like to do python today"
3 print(message)
```

The terminal output shows the command being run and the resulting output:

```
C:\Users\moavia\computer\Desktop> python personal_message2.3.py
HiAyeshawould you like to do python today
```

The terminal also shows the command being run in a Windows command prompt:

```
moavia computer@DESKTOP-D5Q6300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\computer\Desktop ; /usr/bin/env C:\Users\moavia\computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\computer\Desktop\personal_message2.3.py
Hi Ayesha would you like to do python today
```

The status bar at the bottom indicates the file is at line 3, column 15, with 4 spaces, UTF-8 encoding, CRLF line endings, and Python 3.11.2 64-bit (microsoft store) interpreter.

The screenshot shows the Visual Studio Code editor with a file named `name2.4.py` open. The code in the editor is:

```
1 a="ayesha ashanf"
2 print(a.title())
3 print(a.lower())
4 print(a.upper())
```

The terminal output shows the command being run and the resulting output:

```
C:\Users\moavia\computer\Desktop> python name2.4.py
AttributeError: 'str' object has no attribute 'lowercase'

moavia computer@DESKTOP-D5Q6300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\computer\Desktop ; /usr/bin/env C:\Users\moavia\computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\computer\Desktop\name2.4.py
Ayesha Ashanf
ayesha ashanf
AYESHA ASHANF
```

The status bar at the bottom indicates the file is at line 3, column 14, with 4 spaces, UTF-8 encoding, CRLF line endings, and Python 3.11.2 64-bit (microsoft store) interpreter.

The screenshot shows the Visual Studio Code editor with a file named `quote2.5.py` open. The code in the file is:

```
1 author="Quaid-E-Azam"
2 quote="Democracy is in the blood of the Muslims, who look upon complete equality of mankind, and believe in fraternity, equality, and liberty."
3 print(author+"\tonce said..." + quote)
```

The terminal at the bottom shows the command prompt for the user `moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)`. The command executed is:

```
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\ Desktop\quote2.5.py
```

The output of the command is:

```
Quaid-E-Azam once said...Democracy is in the blood of the Muslims, who look upon complete equality of mankind, and believe in fraternity, equality, and liberty.
```

The status bar at the bottom indicates the file is at line 3, column 37, with 4 spaces, UTF-8 encoding, CRLF line endings, and Python 3.11.2 64-bit (microsoft store).

The screenshot shows the Visual Studio Code editor with a file named `famous2.6.py` open. The code in the file is:

```
1 famous_person="Quaid-E-Azam"
2 message="Democracy is in the blood of the Muslims, who look upon complete equality of mankind, and believe in fraternity, equality, and liberty."
3 print(famous_person+"\tonce said..." + message)
```

The terminal at the bottom shows the command prompt for the user `moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)`. The command executed is:

```
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\ Desktop\famous2.6.py
```

The output of the command is:

```
Quaid-E-Azam once said...Democracy is in the blood of the Muslims, who look upon complete equality of mankind, and believe in fraternity, equality, and liberty.
```

The status bar at the bottom indicates the file is at line 3, column 20, with 4 spaces, UTF-8 encoding, CRLF line endings, and Python 3.11.2 64-bit (microsoft store).

```
File Edit Selection View Go Run ... Search
name2.4.py quote2.5.py famous2.6.py stripping2.7.py x
C:\Users> moavia computer > Desktop > stripping2.7.py
1 a=" Ayesha Ashraf\ deep learning intern\n bytewise "
2 print(a)
3 print(a.rstrip())
4 print(a.lstrip())
5 print(a.strip())

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
op\stripping2.7.py
Ayesha Ashraf deep learning intern
bytewise
Ayesha Ashraf deep learning intern
bytewise
Ayesha Ashraf deep learning intern
bytewise
Ayesha Ashraf deep learning intern
bytewise
moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ []
Ln 3, Col 16 Spaces: 4 UTF-8 CRLF Python 3.11.2 64-bit (microsoft store)
Type here to search 21°C Smoke 8:43 AM 3/19/2023
```

```
File Edit Selection View Go Run ... Search
name2.4.py quote2.5.py famous2.6.py stripping2.7.py operation.py x
C:\Users> moavia computer > Desktop > operation.py
1 print(2+3)
2 print(3-2)
3 print(2*3)
4 print(3/2)
5 print(3**2)
6 print(3**3)
7 print(10**6)
8 print(2+3*4)
9 print((2+3)*4)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
5
1
6
1.5
9
27
1000000
14
20
moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ []
Ln 9, Col 14 Spaces: 4 UTF-8 CRLF Python 3.11.2 64-bit (microsoft store)
Type here to search 21°C Smoke 8:47 AM 3/19/2023
```

The screenshot shows the Visual Studio Code editor with the file `Float.py` open. The code in the editor is:

```
1 print(0.1+0.1)
2 print(2*0.1)
3 print([0.2+0.2])
```

The terminal window at the bottom shows the command prompt output:

```
moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\.\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65581 -- c:\Users\moavia\ computer\Desktop\Float.py
0.2
0.2
0.4
moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$
```

The status bar at the bottom indicates the file is at Line 3, Column 15, using UTF-8 encoding, CRLF line endings, and the Python 3.11.2 64-bit (microsoft store) interpreter.

The screenshot shows the Visual Studio Code editor with the file `NumberEight2.8.py` open. The code in the editor is:

```
1 print(5+3)
2 print(10-2)
3 print(4*2)
4 print([40/5])
```

The terminal window at the bottom shows the command prompt output:

```
moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\.\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 65534 -- c:\Users\moavia\ computer\Desktop\NumberEight2.8.py
8
8
8
8.0
moavia computer@DESKTOP-D5QG300 MINGW64 ~/Desktop (master)
$
```

The status bar at the bottom indicates the file is at Line 4, Column 12, using UTF-8 encoding, CRLF line endings, and the Python 3.11.2 64-bit (microsoft store) interpreter.

The screenshot shows the Visual Studio Code editor with a file explorer on the left displaying several Python files. The active file is `fvt2.9.py`, which contains the following code:

```
1 number=1
2 message="My Favourite Number is\t+str(number)
3 print(message)
```

The terminal at the bottom shows the execution of the script. The first run outputs "My Favourite Number is1". The second run, after a directory change and environment setup, outputs "My Favourite Number is 1".

```
python\python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 49195 -- c:\Users\moavia\ computer\Desktop\op\fvrt2.9.py
My Favourite Number is1

moavia computer@DESKTOP-D5Q6308 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe
python\python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 49283 -- c:\Users\moavia\ computer\Desktop\op\fvrt2.9.py
My Favourite Number is 1

moavia computer@DESKTOP-D5Q6308 MINGW64 ~/Desktop (master)
$
```

The screenshot shows the Visual Studio Code editor with a file explorer on the left displaying several Python files. The active file is `comment2.10.py`, which contains the following code:

```
1 #This problem is basically to understand comment so "#" is used fo comment
2 #more yhis program include name and date
3 name="Ayesha"
4 date="19/3/2023"
5 print(name+"\t"+date)
```

The terminal at the bottom shows the execution of the script. The first run outputs "Ayesha 19/3/2023". The second run, after a directory change and environment setup, outputs "Ayesha 19/3/2023".

```
python\python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 49232 -- c:\Users\moavia\ computer\Desktop\op\comment2.10.py
Ayesha 19/3/2023

moavia computer@DESKTOP-D5Q6308 MINGW64 ~/Desktop (master)
$ cd c:\Users\moavia\ computer\Desktop ; /usr/bin/env C:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe c:\Users\moavia\ computer\AppData\Local\Microsoft\WindowsApps\python3.11.exe
python\python-2023.4.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 49232 -- c:\Users\moavia\ computer\Desktop\op\comment2.10.py
Ayesha 19/3/2023

moavia computer@DESKTOP-D5Q6308 MINGW64 ~/Desktop (master)
$
```

Import Zen Of python

```
Command Prompt - python
C:\Users\moavia computer>import this
'import' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\moavia computer>python
Python 3.11.1 (tags/v3.11.1:a7a450f, Dec 6 2022, 19:58:39) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import this
The Zen of Python, by Tim Peters

Beautiful is better than ugly.
Explicit is better than implicit.
Simple is better than complex.
Complex is better than complicated.
Flat is better than nested.
Sparse is better than dense.
Readability counts.
Special cases aren't special enough to break the rules.
Although practicality beats purity.
Errors should never pass silently.
Unless explicitly silenced.
In the face of ambiguity, refuse the temptation to guess.
There should be one-- and preferably only one --obvious way to do it.
Although that way may not be obvious at first unless you're Dutch.
Now is better than never.
Although never is often better than *right* now.
If the implementation is hard to explain, it's a bad idea.
If the implementation is easy to explain, it may be a good idea.
Namespaces are one honking great idea -- let's do more of those!
>>>
```

Activate Windows
Go to Settings to activate Windows.

Type here to search

20°C Smoke 9:25 AM 3/19/2023