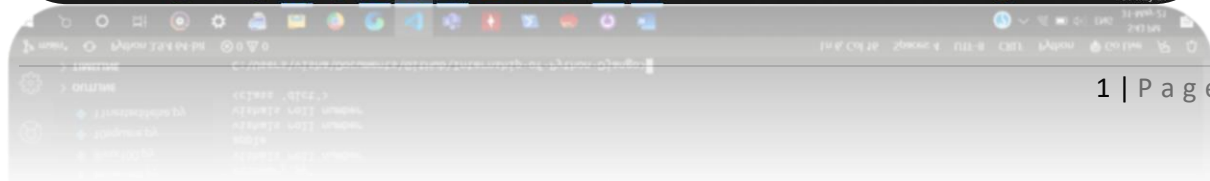
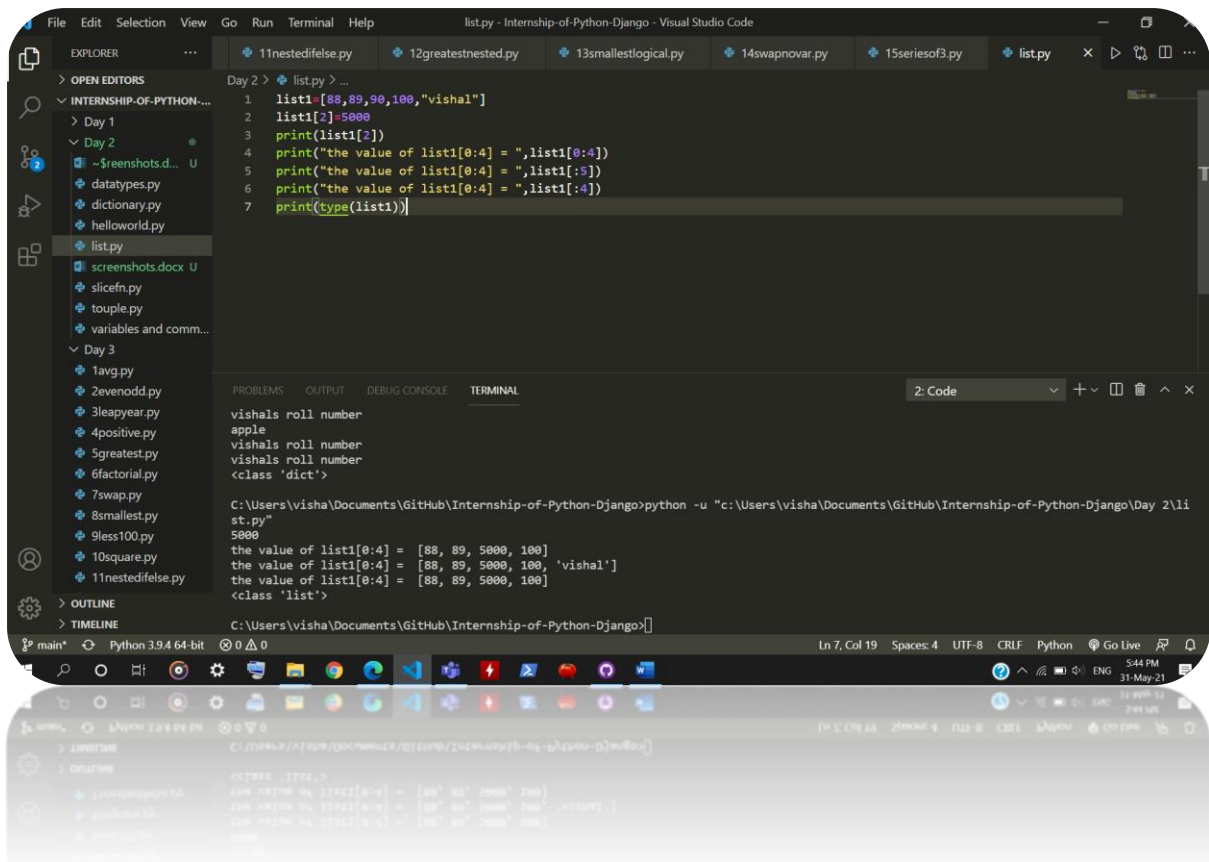


We understood the basics of python and installation of python so here is some basic programs to understand the concept of python.





```
list.py - Internship-of-Python-Django - Visual Studio Code
```

EXPLORER

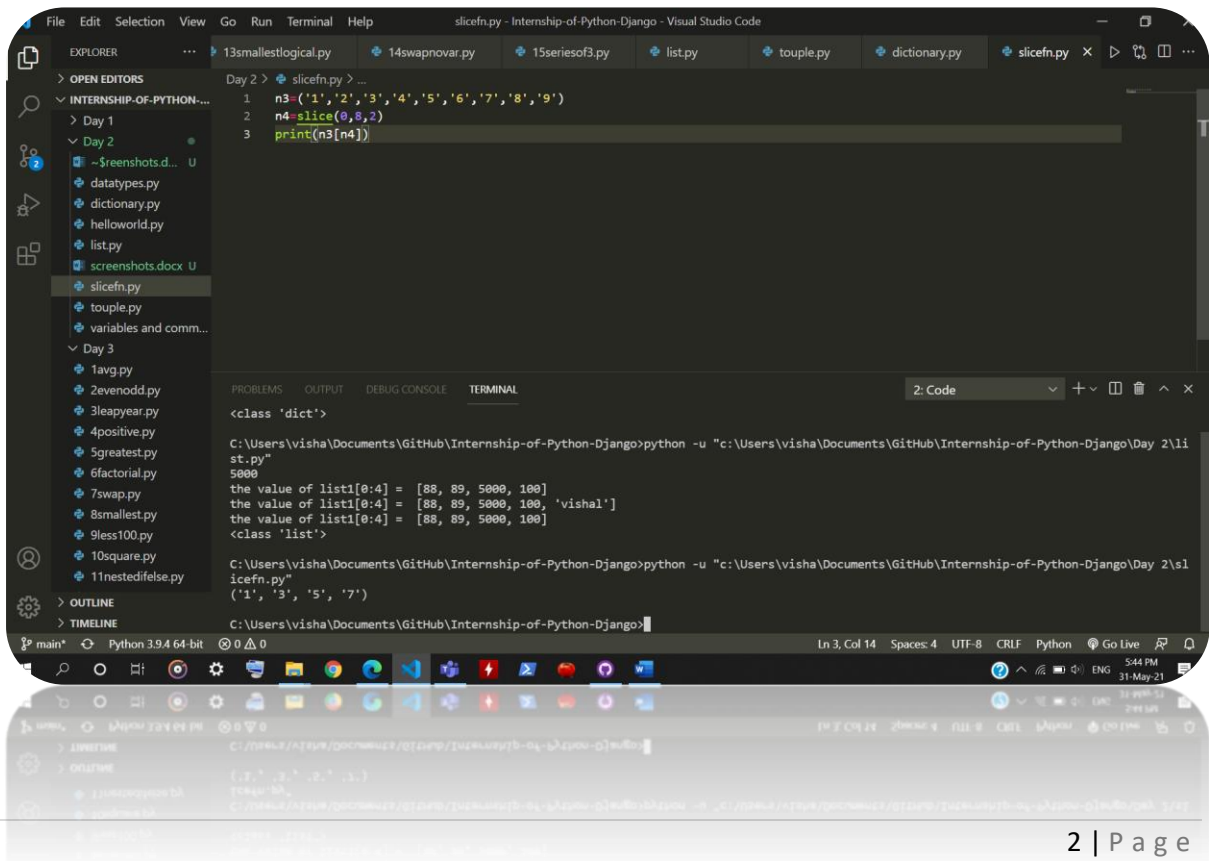
- INTERNSHIP-OF-PYTHON-DJANGO
 - Day 1
 - datatypes.py
 - dictionary.py
 - helloworld.py
 - Day 2
 - list.py
 - screenshots.docx
 - slicefn.py
 - tuple.py
 - variables and comm...
 - Day 3
 - 1avg.py
 - 2evenodd.py
 - 3leapyear.py
 - 4positive.py
 - 5greatest.py
 - 6factorial.py
 - 7swap.py
 - 8smallest.py
 - 9less100.py
 - 10square.py
 - 11nestedifelse.py

list.py

```
Day 2 > list.py > ...
1 list1=[88,89,90,100,"vishal"]
2 list1[2]=5000
3 print(list1[2])
4 print("the value of list1[0:4] = ",list1[0:4])
5 print("the value of list1[0:4] = ",list1[:5])
6 print("the value of list1[0:4] = ",list1[:4])
7 print(type(list1))
```

TERMINAL

```
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 2\list.py"
5000
the value of list1[0:4] = [88, 89, 5000, 100]
the value of list1[0:4] = [88, 89, 5000, 100, 'vishal']
the value of list1[0:4] = [88, 89, 5000, 100]
<class 'list'>
```



```
slicefn.py - Internship-of-Python-Django - Visual Studio Code
```

EXPLORER

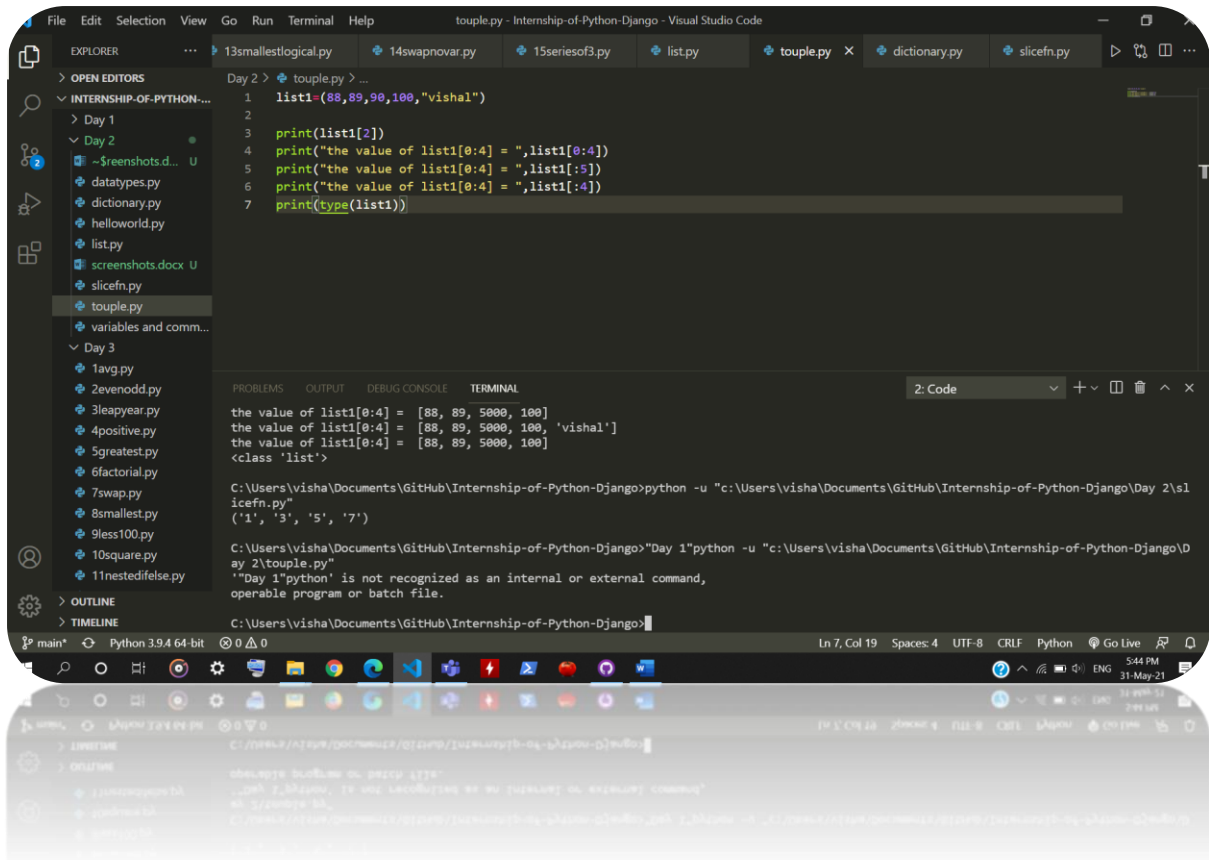
- INTERNSHIP-OF-PYTHON-DJANGO
 - Day 1
 - datatypes.py
 - dictionary.py
 - helloworld.py
 - Day 2
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 - 1avg.py
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 - 5greatest.py
 - 6factorial.py
 - 7swap.py
 - 8smallest.py
 - 9less100.py
 - 10square.py
 - 11nestedifelse.py

slicefn.py

```
Day 2 > slicefn.py > ...
1 n3=('1','2','3','4','5','6','7','8','9')
2 n4=slice(0,8,2)
3 print(n3[n4])
```

TERMINAL

```
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 2\slicefn.py"
5000
the value of list1[0:4] = [88, 89, 5000, 100]
the value of list1[0:4] = [88, 89, 5000, 100, 'vishal']
the value of list1[0:4] = [88, 89, 5000, 100]
<class 'list'>
```



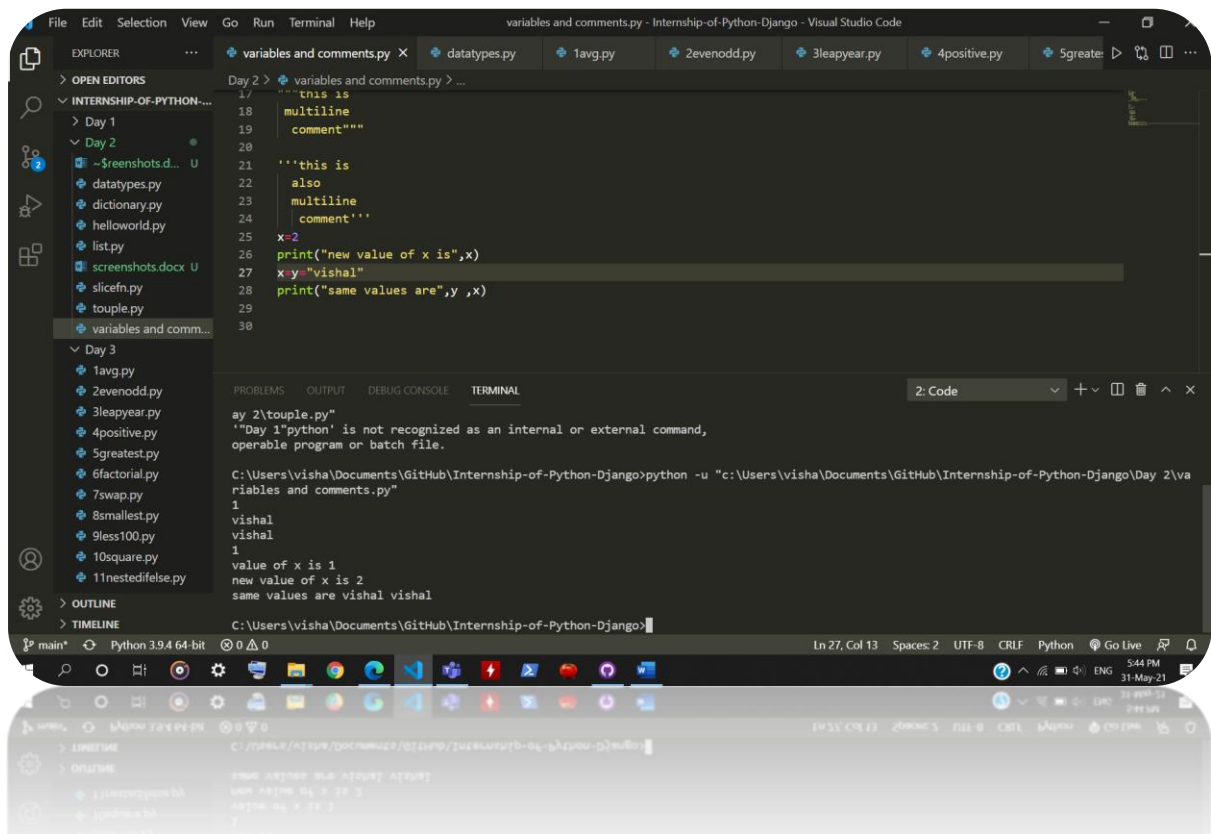
The screenshot shows a Visual Studio Code editor with a Python file named `tuple.py` open. The file contains the following code:

```
Day 2 > tuple.py > ...
1 list1=(88,89,90,100,"vishal")
2
3 print(list1[2])
4 print("the value of list1[0:4] = ",list1[0:4])
5 print("the value of list1[0:4] = ",list1[:5])
6 print("the value of list1[0:4] = ",list1[:4])
7 print(type(list1))
```

The terminal output shows the execution of the script:

```
the value of list1[0:4] = [88, 89, 5000, 100]
the value of list1[0:4] = [88, 89, 5000, 100, 'vishal']
the value of list1[0:4] = [88, 89, 5000, 100]
<class 'list'>
```

The status bar at the bottom indicates the file is at line 7, column 19, with 4 spaces, UTF-8 encoding, CRLF line endings, and Python 3.9.4 64-bit.



The screenshot shows a Visual Studio Code editor with a Python file named `variables and comments.py` open. The file contains the following code:

```
Day 2 > variables and comments.py > ...
17 """this is
18 multiline
19 comment"""
20
21 '''this is
22 also
23 multiline
24 comment'''
25
26 x=2
27 print("new value of x is",x)
28 x=y="vishal"
29 print("same values are",y ,x)
30
```

The terminal output shows the execution of the script:

```
ay 2\tuple.py"
"Day 1"python' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "C:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 2\variables and comments.py"
1
vishal
vishal
1
value of x is 1
new value of x is 2
same values are vishal vishal
```

The status bar at the bottom indicates the file is at line 27, column 13, with 2 spaces, UTF-8 encoding, CRLF line endings, and Python 3.9.4 64-bit.