Q1. Write a python script to add comments and print "Learning Python" on screen.

```
#1. Write a python script to add comments and print "Learning Python" on
screen.
#printing "Learning Python"

print("Learning Python\n")
```

Output:-

```
Learning Python
```

Q2. Write a python script to add multi line comments and print values of four variables , each in a new line. Variable contains any values.

```
#multiline comment
"""2. Write a python script to add multi line comments and print values of
four variables,
each in a new line. Variable contains any values."""
#four variables
name="tom"
age=86
percentage=85.0
qualification='masters in CS'

print(name,age,percentage,qualification,sep=' , ')
print(name,age,percentage,qualification,sep='\n')
print('\n')
```

Output :-

```
tom , 86 , 85.0 , masters in CS
tom
86
85.0
masters in CS
```

Q3. Write a python script to print types of variables. Create 5 variables each of them containing different types of data. (like 35, True, "MySirG",5.46, 3+4j, etc.)

```
"""3.Write a python script to print types of variables. Create 5 variables
each of them containing different types of data. (like 35, True,
"MySirG",5.46, 3+4j, etc)"""
rank=35
result=True
```

```
course_name="full stack web development"
ratings=8.0
total=35+8j
print(type(rank))
print(type(result))
print(type(course_name))
print(type(ratings))
print(type(total))
print('\n')
```

Output:-

```
<class 'int'>
<class 'bool'>
<class 'str'>
<class 'float'>
<class 'complex'>
```

Q4. Write a python script to print the id of two variables containing the same integer values.

```
"""4.Write a python script to print the id of two variables containing the
same integer values."""
rank=45
result=45
print(rank)
print(id(rank))
print(result)
print(id(result))
print("\n")
```

Output:-

```
45
2402360362608
45
2402360362608
```

Q5. Create four variables in a Python script and assign values of different data types to them. Write a Python script to print value, its type and id of each variable

```
"""5.Create four variables in a Python script and assign values of different
data types to them. Write a Python script to print value, its type and id of
each variable"""
rank=1
result=True
name_of_professor="MySirG"
ratings=8.0
```

```
print(rank,result,name_of_professor,ratings,sep='\n')
print(type(rank),type(result),type(name_of_professor),type(ratings),sep='\n')
print(id(rank),id(result),id(name_of_professor),id(ratings),sep='\n')
```
Output:-

```
1
True
MySirG
8.0
<class 'int'>
<class 'bool'>
<class 'str'>
<class 'float'>
1865588474096
140717242469224
1865590103408
1865589514064
```

Q6. Write a python script to print all the keywords

```
#6.Write a python script to print all the keywords
import keyword

print("\n python keywords are : ")
print(keyword.kwlist)
```
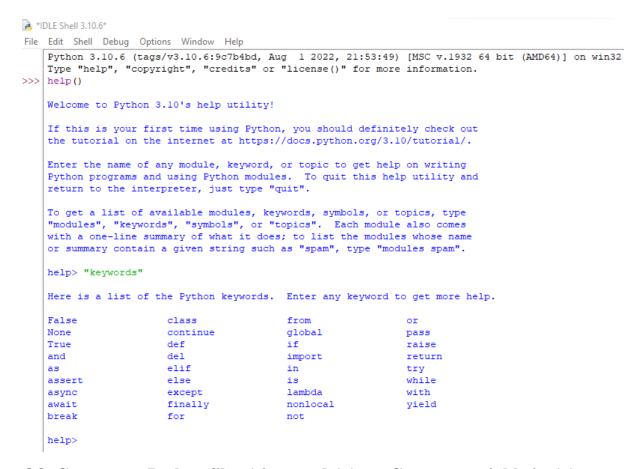**Output:-**

```
 python keywords are :
['False', 'None', 'True', 'and', 'as', 'assert', 'async', 'await', 'break', 'class', 'continue', 'd
ef', 'del', 'elif', 'else', 'except', 'finally', 'for', 'from', 'global', 'if', 'import', 'in', 'is
', 'lambda', 'nonlocal', 'not', 'or', 'pass', 'raise', 'return', 'try', 'while', 'with', 'yield']
```

Q7. On Python shell use help() function and display the list of keywords

Step1: Open python shell

Step2: >>> help()
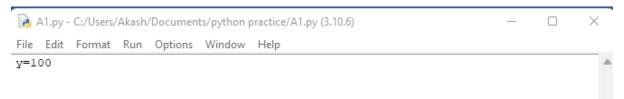
Step3:help> "keyword"

Q8. Create two Python files A0.py and A1.py. Create a variable in A1.py and assign some value to it. Write a python script to import A1 module in A0 and print value of the variable created in A0.py
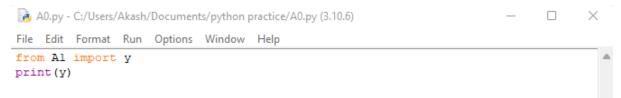
Step1: Open Python shell

Step2: Open file → Create New file→ Name those file as A0.py and A1.py

Step3: Create a variable in A1.py and assign some value to it

```
A1.py - C:/Users/Akash/Documents/python practice/A1.py (3.10.6)      —  □  ✕
File  Edit  Format  Run  Options  Window  Help
y=100
```

Step4: Write a python script to import A1.py module in A0.py

```
A0.py - C:/Users/Akash/Documents/python practice/A0.py (3.10.6)      —  □  ✕
File  Edit  Format  Run  Options  Window  Help
from A1 import y
print(y)
```

Step5: Print value of the variable created in A0.py

```
IDLE Shell 3.10.6
File  Edit  Shell  Debug  Options  Window  Help
    Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug  1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    ============ RESTART: C:/Users/Akash/Documents/python practice/A0.py ===========
    100
>>>
```

Q9. Name the keywords, used as data in the Python script.

```python
import keyword
print("\n python keywords are : ")
print(keyword.kwlist)
#Name the keywords, used as data in the Python script.
print('\nkeywords used as data in python')
print(True,False,None,sep="\n")
```

True ,False ,None are those special kind of keywords which we can use as a data

Output:-

```
  python keywords are :
['False', 'None', 'True', 'and', 'as', 'assert', 'async', 'await', 'break', 'class', 'continue', 'd
ef', 'del', 'elif', 'else', 'except', 'finally', 'for', 'from', 'global', 'if', 'import', 'in', 'is
', 'lambda', 'nonlocal', 'not', 'or', 'pass', 'raise', 'return', 'try', 'while', 'with', 'yield']

keywords used as data in python
True
False
None
PS C:\Users\Akash\Documents\python practice>
```

Q10. Write a python script to display the current date and time. First create variables to store date and time, then display date and time in proper format (like: 13-8-2022 and 9:00 PM)

```python
from datetime import date ,datetime
today = date.today()
d= today.strftime("%d-%m-%Y")
print(d)
print(datetime.today().strftime("%I:%M %p"))
```

Output:-

```
03-09-2022
04:14 PM
PS C:\Users\Akash\Documents\python practice>
```