

Assignment No : 2

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"

```
*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.
>>> help()

Welcome to Python 3.10's help utility!

If this is your first time using Python, you should definitely check out
the tutorial on the internet at https://docs.python.org/3.10/tutorial/.

Enter the name of any module, keyword, or topic to get help on writing
Python programs and using Python modules. To quit this help utility and
return to the interpreter, just type "quit".

To get a list of available modules, keywords, symbols, or topics, type
"modules", "keywords", "symbols", or "topics". Each module also comes
with a one-line summary of what it does; to list the modules whose name
or summary contain a given string such as "spam", type "modules spam".

help> "keywords"

Here is a list of the Python keywords. Enter any keyword to get more help.

False          class          from           or
None            continue      global         pass
True           def           if             raise
and            del           import         return
as             elif          in            try
assert         else          is            while
async          except        lambda        with
await          finally      nonlocal      yield
break          for          not

help>
```

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.

```
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)

```
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>
```