

Assignment-2

Python Basics

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

⇒

```
# This is a comment  
print("Learning Python")
```

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

⇒

```
"""This is  
a multiline  
comment"""
```

```
a = 5
```

```
b, c = 14, 32
```

```
print(a, b, c, end="ln")
```

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)

⇒

```
a, b, c, d, e = 35, "Soumen", True, 5.6, 3+1j
```

```
print("Type of a:", type(a))
```

```
print("Type of b:", type(b))
```

```
print("Type of c:", type(c))
```

```
print("Type of d:", type(d))
```

```
print("Type of e:", type(e))
```

4. Write a python script to print the id of two variables containing the same integer value.

=> `x=10`

`y=x`

`print("The id of x:", id(x))`

`print("The id of y:", id(y))`

5. Create four variable in python script and assign values of different data types to them. Write a python script to print values, its type and id of each variable.

=>

`a, b, c, d = "Hello", 20, True, 2+3j`

`print("Value of a:", a, "InType of a: ", type(a), "InId of a:", id(a))`

`print("Value of b:", b, "InType of b: ", type(b), "InId of b:", id(b))`

`print("Value of c:", c, "InType of c: ", type(c), "InId of c:", id(c))`

`print("Value of d:", d, "InType of d: ", type(d), "InId of d:", id(d))`

6. Write a python script to print all the keywords.

=> `import keyword`

`print(keyword.kwlist)`

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

=> `>>> help()`

`help> keywords`

8. 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 A1.py.

⇒

`n = 45`

A1.py

```
import A1  
print(A1.n)
```

9. Name the keywords, used as data in the python script.

⇒ True, False, None

10. Write a python script to display the current date and time. First create variable to store date and time, then display the date and time in proper format.

⇒

```
import datetime  
print("the time is", datetime.datetime.now())
```