# Assignment-2: Python Basics

1. Write a python script to add comments and print “Learning Python” on screen.
   **# this is assignment no-2**
   **print('“Learning Python" ')**

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.

**"""this is multiple line comments """**

**a,b,c,d=10,20,30,40**

**print(a, '\n', b,'\n',c,'\n',d)**

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)

**type(35)**

**<class 'int'>**

**type(True)**

**<class 'bool'>**

**type("mysirG")**

**<class 'str'>**

**type(5.46)**

**<class 'float'>**

**type(3+4j)**

**<class 'complex'>**

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

**x=10**

**id(x)**

**2124275843600**

**y=10**

**id(y)**

**2124275843600**

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

**a,b,c,d=10,10.25,"hello",5+6j**

**type(a)**

**<class 'int'>**

**id(a)**

**2124275843600**

**type(b)**

**<class 'float'>**

**id(b)**

**2124311814416**

**type(c)**

**<class 'str'>**

**id(c)**

**2124282099888**

**type(d)**

**<class 'complex'>**

**id(d)**

**2124311821040**

6. Write a python script to print all the keywords

**import keyword**

**print(keyword.kwlist)**

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

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

**help> keyword**

**Help on module keyword:**

**NAME**

keyword - Keywords (from "Grammar/python.gram")

MODULE REFERENCE

https://docs.python.org/3.10/library/keyword.html

The following documentation is automatically generated from the Python source files. It may be incomplete, incorrect or include features that are considered implementation detail and may vary between Python implementations. When in doubt, consult the module reference at the location listed above.

DESCRIPTION

This file is automatically generated; please don't muck it up!

To update the symbols in this file, 'cd' to the top directory of the python source tree and run:

PYTHONPATH=Tools/peg_generator python3 -m pegen.keywordgen Grammar/python.gram Grammar/Tokens Lib/keyword.py

Alternatively, you can run 'make regen-keyword'.

FUNCTIONS

iskeyword = __contains__(...) method of builtins.frozenset instance

x.__contains__(y) <==> y in x.

issoftkeyword = __contains__(...) method of builtins.frozenset instance

x.__contains__(y) <==> y in x.

DATA

__all__ = ['iskeyword', 'issoftkeyword', 'kwlist', 'softkwlist']

**kwlist = ['False', 'None', 'True', 'and', 'as', 'assert', 'async', 'aw...**

**softkwlist = ['_', 'case', 'match']**

**FILE**

**c:\users\pawan kumar kharwar\appdata\local\programs\python\python310\lib\keyword.py**

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 A0.py

```
x=20
import A1
print(A1.x)
```

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

**False, None, True**

10. 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)

```
import datetime
now=datetime.datetime.now()
print("Current date and time: ")
Current date and time:
print(now.strftime("%y-%m-%d %H:%M:%S")
```