MiniLab-1

Prof.Dr. Bahadır AKTUĞ

803400815021 Machine Learning with Python

Example - 1

- Assign each element to a variable and perform the following mathematical operation with Python.

$24+(22)_8 + (12)_{16}+ (1111)_2 = ?$

Example - 2

Obtain the following pattern by using the given variables below.

>>> a = "x#"

>>> b = "sos"

#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox

Example - 3

Reverse the following string by "Slicing".

```
>>> a = "Python Ankara"
```

Example - 4

Swap the values of variable a, b, c such that the values of a, b,c will be b, c, a respectively (triple swapping).

>>> a = 14

>>> b = 23

>>> c = 37

Example - 5

Reverse only the first word of the following string.

>>> a = "'araknA nohtyP"

Example - 6

Correct the first letter of the following string and assign it to a variable.

>>> a = "Zython"

Example - 7

Write the print command to print the following string to the console.

EEE105''s and\or EE105's results

Example - 8

- Print "x" to the console by using the list given below.

l = [["a",["b",["c","x"]]]]
print(?)

Example - 9

Obtain the following pattern by using the list variable below (*tip: string type is also a sequential data type*)

>>> a = ["x#", "sos"]

#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox#ox

Example - 10

What would be the result of following operation? Why?

```
a = ["Ankara","Zonguldak","İzmir","Yozgat"]
print(max(a))
```

Example - 11

Find the total number of character "a" in the following list.

l = ["Ankara", "İstanbul", "İzmir", "Adana"]

Example - 12

We want to sort the following list and also want to preserve the original unsorted list. What is wrong with the following code? How can you fix it?

```
>>> a  = [ 2, 5, 1, 9, 6, 4]
>>> b = a
>>> b.sort()
```