Exercises
Mastering Python
الدرس 3#
List, Tuple, Dictionary,Sets & Strings

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Exercises

1. Write a Python program to print each item in a list in new line.

2. Write a Python program to sum all the items in a list and print the sum.

3. Write a Python program to get the largest number from a list.

4. Write a Python program to remove duplicates from the following list
a = [10,20,30,20,10,50,60,40,80,50,40]

5. Write a Python program to check a list is empty or not

6. Write a Python program to create a tuple with different data types and print each item in a new line

7. Write a Python program to iteration over sets, use the set num_set = set([0, 1, 2, 3, 4, 5])

Exercises

8. Write a Python program to create an intersection of sets.

9.What is the output of this program
setx = set(["green", "blue"])
sety = set(["blue", "yellow"])
seta = setx | sety
print(seta)

10. what is the output of this program
seta = set([5, 10, 3, 15, 2, 20])
print(len(seta))

Exercises

11. What is the output of the following program
```
dic1={1:10, 2:20}
dic2={3:30, 4:40}
dic3={5:50,6:60}
dic4 = {}
for d in (dic1, dic2, dic3):
    dic4.update(d)
print(dic4)
```
12. What is the output of the following program
```
a = "Hello, World!"
print(a[1])
print(a[2:5])
print(b[-5:-2])
print(len(a))
print(a.lower())
print(a.replace("H", "J"))
```

End of the lesson

Thank You

Master in Software Engineering

Hussam Hourani has over 25 years of Organizations Transformation, VROs, PMO, Large Scale and Enterprise Programs Global Delivery, Leadership, Business Development and Management Consulting. His client experience is wide ranging across many sectors but focuses on Performance Enhancement, Transformation, Enterprise Program Management, Artificial Intelligence and Data Science.