

Python_d36_entri

Version control

Assignment Data Structures

Session_10.py

Session_11.py

Assignment Data Structures.py

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#Set

#Exercise

#Q1 Create a set with values 1,2,3,4,and 5

Numbers = {1,2,3,4,5}

print("Set:",Numbers)

#Q2 Add the values 6 to the set created in Q1

Numbers.add(6)

print("Updated set after addition:",Numbers)

#Q3 Remove the value 3 from the set created in Q1

Numbers.remove(3)

print("Updated set after removal:",Numbers)

Run

Assignment Data Structures

C:\Users\hp\PycharmProjects\Python_d36_entri\.venv\Scripts\python.exe "C:\Users\hp\PycharmProjects\Python_d36_entri\Assignment Data Structures.py"

Set: {1, 2, 3, 4, 5}

Updated set after addition: {1, 2, 3, 4, 5, 6}

Updated set after removal: {1, 2, 4, 5, 6}

Process finished with exit code 0

Python_d36_entri

Assignment Data Structures.py

37:1 CRLF UTF-8 4 spaces Python 3.12 (Python_d36_entri)

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12
13 #Dictionary
14 #Exercise
15 #Q1 Create a dictionary with key name, age, and address and values John, 25, and NewYork respectively
16 Person = {'Name': 'John', 'Age': '25', 'Address': 'New York'}
17 print("Person Dictionary:", Person)
18
19 #Q2 Add a new key value-pair to the dictionary created in Q1 with key phone and value 1234567890
20 Person['Phone'] = '1234567890'
21 print("Updated Dictionary:", Person)
22

```

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C:\Users\hp\PycharmProjects\Python_d36_entri\.venv\Scripts\python.exe "C:\Users\hp\PycharmProjects\Python_d36_entri\Assignment Data Structures.py"
Person Dictionary: {'Name': 'John', 'Age': '25', 'Address': 'New York'}
Updated Dictionary: {'Name': 'John', 'Age': '25', 'Address': 'New York', 'Phone': '1234567890'}

Process finished with exit code 0

```

```

35
36 #Tuple
37 #Exercise
38 #Q1 Create a tuple with values 1,2,3,and 4
39 numbers = (1,2,3,4)
40 print("Tuple:", numbers)
41
42 #Q2 Print the length of tuple created in Q1
43 Length = len(numbers)
44 print("length of tuple:", Length)
45

```

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C:\Users\hp\PycharmProjects\Python_d36_entri\.venv\Scripts\python.exe "C:\Users\hp\PycharmProjects\Python_d36_entri\Assignment Data Structures.py"
Tuple: (1, 2, 3, 4)
length of tuple: 4

Process finished with exit code 0

```

```
Session_10.py Session_11.py Assignment Data Structures.py x
1 #List
2 #Q1 Create list of 5 random numbers and print the list
3 l1 = [5, 17, 12, 8, 20]
4 print("List:", l1)
5 #Q2 Insert 3 new Values to the list and print the updated list
6 l1.extend([9, 15, 6])
7 print("Updated List:", l1)
8 #Q3 Try to use a for loop to print each element in the list
9 for Numbers in l1:
10     print(Numbers)

Run Assignment Data Structures x

C:\Users\hp\PycharmProjects\Python_d36_entri\.venv\Scripts\python.exe "C:\Users\hp\PycharmProjects\Python_d36_entri\Assignment Data Structures.py"
List: [5, 17, 12, 8, 20]
Updated List: [5, 17, 12, 8, 20, 9, 15, 6]
5
17
12
8
20
9
15
6

Process finished with exit code 0
```