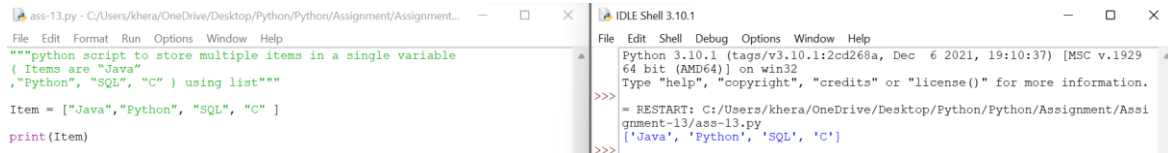


Assignment - 13 Full Stack Web Development using Python MySirG

List

1. Write a python script to store multiple items in a single variable (Items are "Java", "Python", "SQL", "C") using list



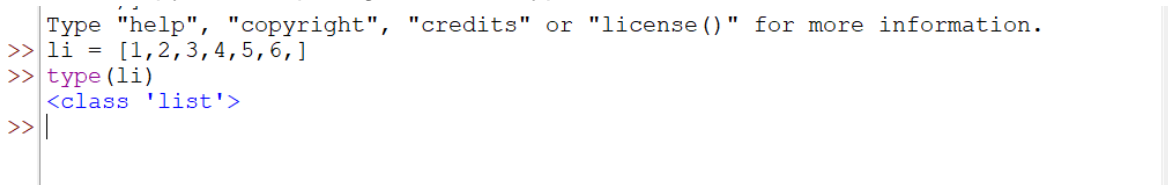
```
File Edit Format Run Options Window Help
"""python script to store multiple items in a single variable
( Items are "Java", "Python", "SQL", "C" ) using list"""

Item = ["Java", "Python", "SQL", "C" ]

print(Item)
```

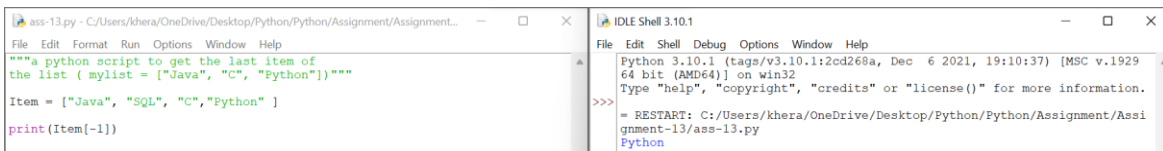
```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assignment-13/ass-13.py
['Java', 'Python', 'SQL', 'C']
>>>
```

2. Write a python script to get the data type of a list.



```
File Edit Format Run Options Window Help
Type "help", "copyright", "credits" or "license()" for more information.
li = [1,2,3,4,5,6,]
>>> type(li)
<class 'list'>
>>>
```

3. Write a python script to get the last item of the list (mylist = ["Java", "C", "Python"])



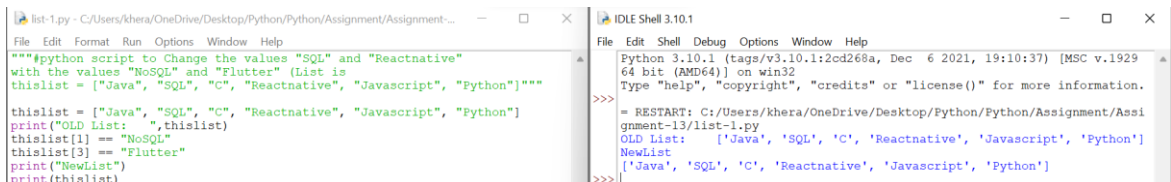
```
File Edit Format Run Options Window Help
"""a python script to get the last item of
the list ( mylist = ["Java", "C", "Python"] )"""

Item = ["Java", "SQL", "C", "Python" ]

print(Item[-1])
```

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assignment-13/ass-13.py
Python
>>>
```

4. Write a python script to Change the values "SQL" and "Reactnative" with the values "NoSQL" and "Flutter" (List is thislist = ["Java", "SQL", "C", "Reactnative", "Javascript", "Python"])

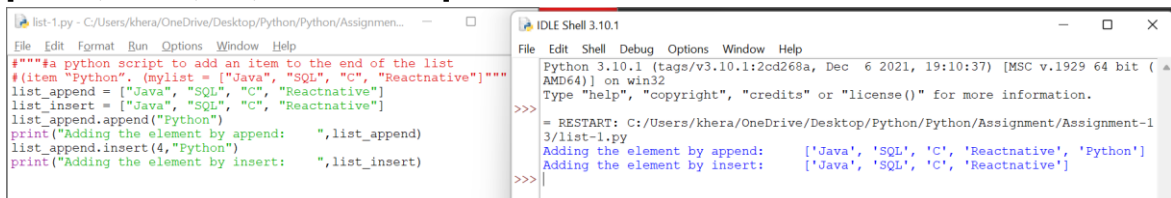


```
File Edit Format Run Options Window Help
"""#python script to Change the values "SQL" and "Reactnative"
with the values "NoSQL" and "Flutter" (List is
thislist = ["Java", "SQL", "C", "Reactnative", "Javascript", "Python"] )"""

thislist = ["Java", "SQL", "C", "Reactnative", "Javascript", "Python"]
print("Old List: ", thislist)
thislist[1] == "NoSQL"
thislist[3] == "Flutter"
print("NewList")
print(thislist)
```

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assignment-13/list-1.py
OLD List: ['Java', 'SQL', 'C', 'Reactnative', 'Javascript', 'Python']
NewList
['Java', 'SQL', 'C', 'Reactnative', 'Javascript', 'Python']
>>>
```

5. Write a python script to add an item to the end of the list (item "Python". (mylist = ["Java", "SQL", "C", "Reactnative"])

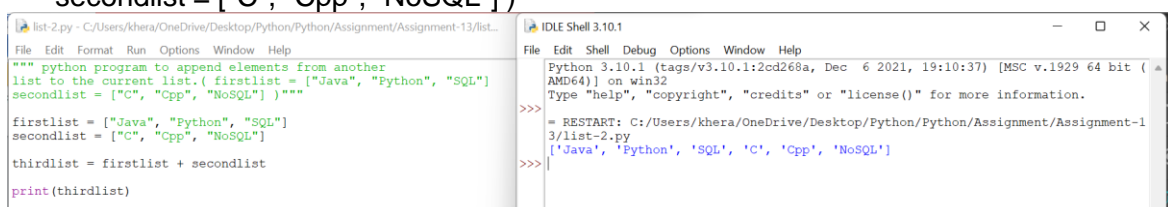


```
File Edit Format Run Options Window Help
"""#a python script to add an item to the end of the list
#(item "Python". (mylist = ["Java", "SQL", "C", "Reactnative"] )"""

list_append = ["Java", "SQL", "C", "Reactnative"]
list_insert = ["C", "SQL", "C", "Reactnative"]
list_append.append("Python")
print("Adding the element by append: ", list_append)
list_insert.insert(4, "Python")
print("Adding the element by insert: ", list_insert)
```

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assignment-13/list-1.py
Adding the element by append: ['Java', 'SQL', 'C', 'Reactnative', 'Python']
Adding the element by insert: ['Java', 'SQL', 'C', 'Reactnative']
>>>
```

6. Write a python program to append elements from another list to the current list.(firstlist = ["Java", "Python", "SQL"] secondlist = ["C", "Cpp", "NoSQL"])



```
File Edit Format Run Options Window Help
""" python program to append elements from another
list to the current list.( firstlist = ["Java", "Python", "SQL"]
secondlist = ["C", "Cpp", "NoSQL"] )"""

firstlist = ["Java", "Python", "SQL"]
secondlist = ["C", "Cpp", "NoSQL"]

thirdlist = firstlist + secondlist

print(thirdlist)
```

```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assignment-13/list-2.py
['Java', 'Python', 'SQL', 'C', 'Cpp', 'NoSQL']
>>>
```

7. Write a python program to Print all items by referring to their index number (thislist = ["Java", "SQL", "C", "Reactnative", "Javascript", "Python"])

```
list-3.py - C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assignment-...
File Edit Format Run Options Window Help
"""#a python program to Print all items by referring to their index number
(thislist = ["Java", "SQL", "C", "Reactnative", "Javascript", "Python"])"""
thislist = ["Java", "SQL", "C", "Reactnative", "Javascript", "Python"]
for i in thislist:
    print(i,end=" ")

IDLE Shell 3.10.1
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 19:10:37) [MSC v.1929
64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assi
gment-13/list-3.py
Java SQL C Reactnative Javascript Python
>>>
```

8. Write a python program to sort the list alphanumerically – thislist = ["Java", "SQL", "C", "Reactjs", "Javascript", "Python"]

```
list-4.py - C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assignment-...
File Edit Format Run Options Window Help
#python program to sort the list alphanumerically -
thislist = ["Java", "SQL", "C", "Reactjs", "Javascript", "Python"]
print(sorted(thislist))

IDLE Shell 3.10.1
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 19:10:37) [MSC v.1929
64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assi
gment-13/list-4.py
['C', 'Java', 'Javascript', 'Python', 'Reactjs', 'SQL']
>>>
```

9. Write a Python script to create a list of city names taken from the user.

```
list-4.py - C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assignment-...
File Edit Format Run Options Window Help
#a Python script to create a list of city names taken from the user
print("Enter City Names seprated with space: ")
x = [x for x in input().split(" ")]
print(x)

IDLE Shell 3.10.1
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 19:10:37) [MSC v.1929
64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assi
gment-13/list-4.py
Enter City Names seprated with space:
delhi faridabad goa noida gurugram
['delhi', 'faridabad', 'goa', 'noida', 'gurugram']
>>>
```

10. Write a Python script to create a list, where each element of the list is a digit of a given number.

```
list with given number.py - C:/Users/khera/OneDrive/Desktop/Python/Python/Assignm...
File Edit Format Run Options Window Help
"""# Python script to create a list, where each element
of the list is a digit of a given number."""
given_list = [int(x) for x in input().split(",")]
print(given_list)
K = int(input("element of the list is a digit of a given number: "))
res = [ele for ele in given_list if str(K) in str(ele)]
print("Elements with digit K : " + str(res))

IDLE Shell 3.10.1
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 19:10:37) [MSC v.1929
64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assi
gment-13 List/list with given number.py
56, 72, 875, 9, 173
[56, 72, 875, 9, 173]
element of the list is a digit of a given number: 5
Elements with digit K : [56, 875]
>>>
= RESTART: C:/Users/khera/OneDrive/Desktop/Python/Python/Assignment/Assi
gment-13 List/list with given number.py
56, 72, 875, 9, 173
[56, 72, 875, 9, 173]
element of the list is a digit of a given number: 4
Elements with digit K : []
>>>
```