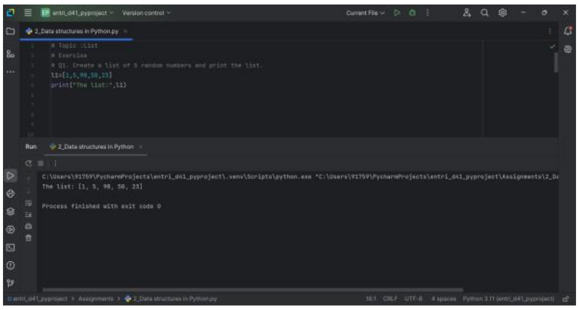
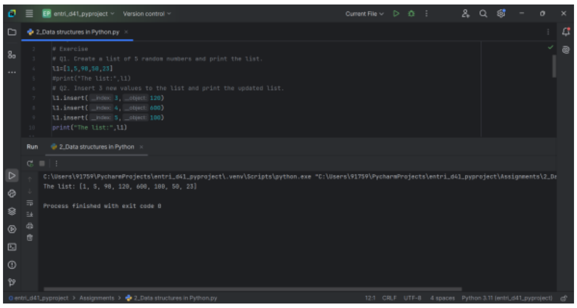


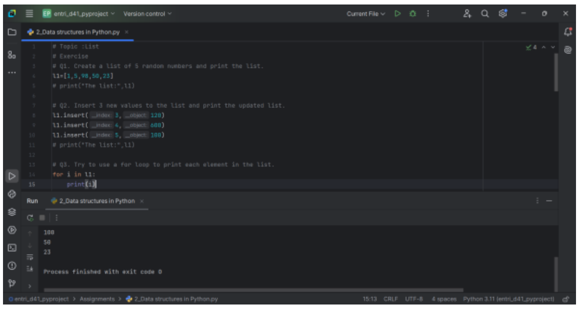
```python
# Topic :List
# Exercise
# Q1. Create a list of 5 random numbers and print the list.
l1=[1,5,98,50,23]
print("The list:",l1)
```

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\Assignments\2_Da
The list: [1, 5, 98, 50, 23]

Process finished with exit code 0
```



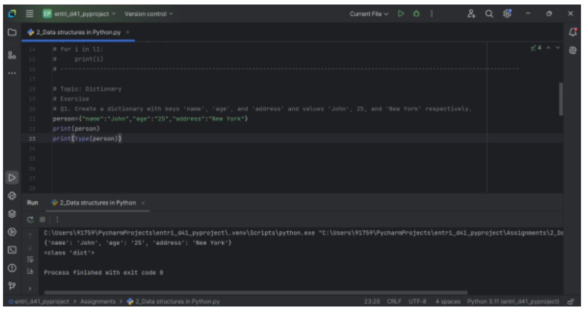
```python
# Exercise
# Q1. Create a list of 5 random numbers and print the list.
l1=[1,5,98,50,23]
#print("The list:",l1)
# Q2. Insert 3 new values to the list and print the updated list.
l1.insert(3, 120)
l1.insert(4, 600)
l1.insert(5, 100)
print("The list:",l1)
```

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\Assignments\2_Da
The list: [1, 5, 98, 120, 600, 100, 50, 23]

Process finished with exit code 0
```



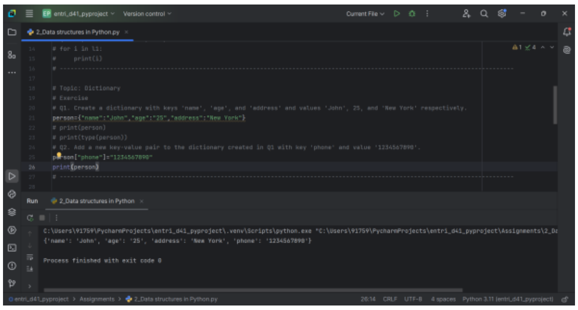
```python
# Topic :List
# Exercise
# Q1. Create a list of 5 random numbers and print the list.
l1=[1,5,98,50,23]
# print("The list:",l1)

# Q2. Insert 3 new values to the list and print the updated list.
l1.insert(3, 120)
l1.insert(4, 600)
l1.insert(5, 100)
# print("The list:",l1)

# Q3. Try to use a for loop to print each element in the list.
for i in l1:
    print(i)
```

```
100
50
23

Process finished with exit code 0
```



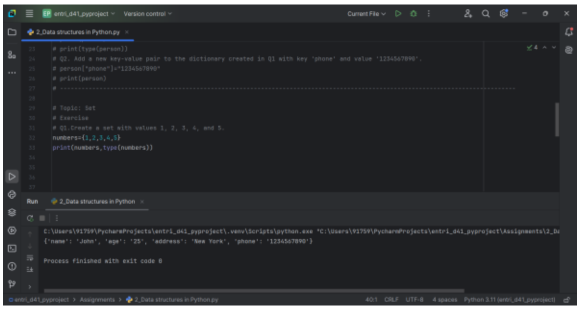
```python
# for i in l1:
#     print(i)
# ------------------------------------------------------------------------------------------

# Topic: Dictionary
# Exercise
# Q1. Create a dictionary with keys 'name', 'age', and 'address' and values 'John', 25, and 'New York' respectively.
person={"name":"John","age":"25","address":"New York"}
print(person)
print(type(person))
```

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\Assignments\2_Da
{'name': 'John', 'age': '25', 'address': 'New York'}
<class 'dict'>

Process finished with exit code 0
```



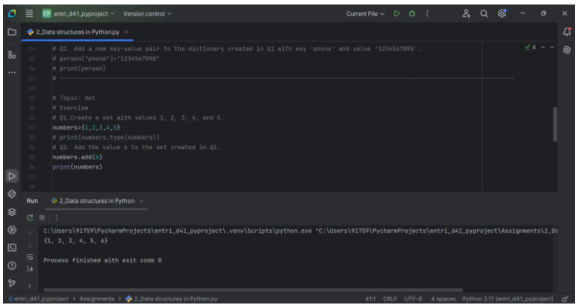
```python
# for i in l1:
#     print(i)
# ------------------------------------------------------------------------------------------

# Topic: Dictionary
# Exercise
# Q1. Create a dictionary with keys 'name', 'age', and 'address' and values 'John', 25, and 'New York' respectively.
person={"name":"John","age":"25","address":"New York"}
# print(person)
# print(type(person))
# Q2. Add a new key-value pair to the dictionary created in Q1 with key 'phone' and value '1234567890'.
person["phone"]="1234567890"
print(person)
# ------------------------------------------------------------------------------------------
```

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\Assignments\2_Da
{'name': 'John', 'age': '25', 'address': 'New York', 'phone': '1234567890'}

Process finished with exit code 0
```



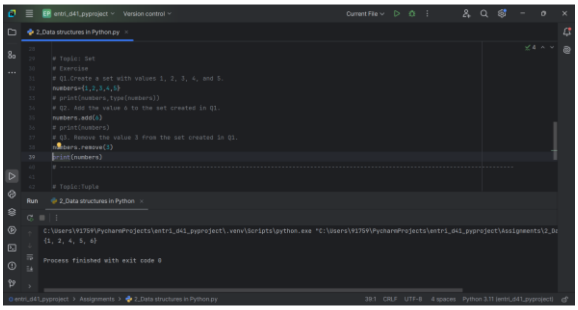
```python
# print(type(person))
# Q2. Add a new key-value pair to the dictionary created in Q1 with key 'phone' and value '1234567890'.
# person["phone"]="1234567890"
# print(person)
# ------------------------------------------------------------------------------------------

# Topic: Set
# Exercise
# Q1.Create a set with values 1, 2, 3, 4, and 5.
numbers={1,2,3,4,5}
print(numbers,type(numbers))
```

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\Assignments\2_Da
{'name': 'John', 'age': '25', 'address': 'New York', 'phone': '1234567890'}

Process finished with exit code 0
```



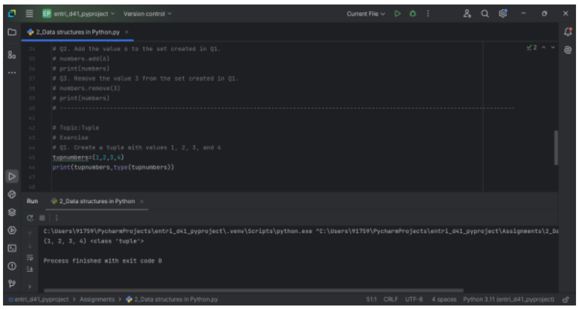
```python
# Q2. Add a new key-value pair to the dictionary created in Q1 with key 'phone' and value '1234567890'.
# person["phone"]="1234567890"
# print(person)
# ------------------------------------------------------------------------------------------

# Topic: Set
# Exercise
# Q1.Create a set with values 1, 2, 3, 4, and 5.
numbers={1,2,3,4,5}
# print(numbers,type(numbers))
# Q2. Add the value 6 to the set created in Q1.
numbers.add(6)
print(numbers)
```

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\Assignments\2_Da
{1, 2, 3, 4, 5, 6}

Process finished with exit code 0
```



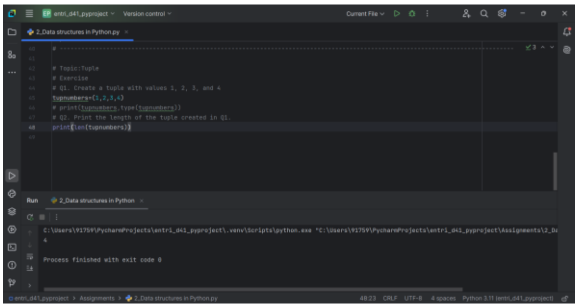
```python

# Topic: Set
# Exercise
# Q1.Create a set with values 1, 2, 3, 4, and 5.
numbers={1,2,3,4,5}
# print(numbers,type(numbers))
# Q2. Add the value 6 to the set created in Q1.
numbers.add(6)
# print(numbers)
# Q3. Remove the value 3 from the set created in Q1.
numbers.remove(3)
print(numbers)
# ------------------------------------------------------------------------------------------

# Topic:Tuple
```

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\Assignments\2_Da
{1, 2, 4, 5, 6}

Process finished with exit code 0
```



```python
# Q2. Add the value 6 to the set created in Q1.
# numbers.add(6)
# print(numbers)
# Q3. Remove the value 3 from the set created in Q1.
# numbers.remove(3)
# print(numbers)
# ------------------------------------------------------------------------------------------

# Topic:Tuple
# Exercise
# Q1. Create a tuple with values 1, 2, 3, and 4
tupnumbers=(1,2,3,4)
print(tupnumbers,type(tupnumbers))
```

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\Assignments\2_Da
(1, 2, 3, 4) <class 'tuple'>

Process finished with exit code 0
```



```python
# ------------------------------------------------------------------------------------------

# Topic:Tuple
# Exercise
# Q1. Create a tuple with values 1, 2, 3, and 4
tupnumbers=(1,2,3,4)
# print(tupnumbers,type(tupnumbers))
# Q2. Print the length of the tuple created in Q1.
print(len(tupnumbers))
```

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\Assignments\2_Da
4

Process finished with exit code 0
```