

The screenshot displays the PyCharm IDE interface. The top toolbar includes icons for running, debugging, and other development tools. The 'Project' sidebar on the left shows the file structure of the 'entri_d41_PythonProject', including a virtual environment and various Python files. The main editor window shows a Python script with the following content:

```
1 # Topic :List Exercise
2 #Q1. Create a list of 5 random numbers and print the list.
3 List_of_random_numbers = [1,5,10,35,50]
4 print("List of 5 random numbers:", List_of_random_numbers)
5
6 # Q2. Insert 3 new values to the list and print the updated list.
7 # List_of_random_numbers .extend([60,100,101])
8 # print("Updated list",List_of_random_numbers )
9
10 # Q3. Try to use a for loop to print each element in the list.
```

The 'Run' console at the bottom shows the execution of 'Assignment 2'. The command executed is:

```
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe "C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\Assignment 2.py"
```

The output of the script is:

```
List of 5 random numbers: [1, 5, 10, 35, 50]
```

The console also indicates that the process finished with exit code 0.

The status bar at the bottom shows the current file is 'Assignment 2.py' with 98 characters, 1 line break, using CRLF line endings, UTF-8 encoding, 4 spaces for indentation, and Python 3.13.

The screenshot displays the PyCharm IDE interface. The top toolbar shows the 'Run' button (a green play icon) and other standard icons. The 'Project' sidebar on the left lists the files in the 'entri_d41_PythonProject' directory, including '.venv', 'Lib', 'Scripts', and several Python files. The main editor window shows the code for 'Assignment 2.py'. The code is as follows:

```
1 # Topic :List Exercise
2 # Q1. Create a list of 5 random numbers and print the list.
3 List_of_random_numbers = [1,5,10,35,50]
4 print("List of 5 random numbers:", List_of_random_numbers)
5
6 #Q2. Insert 3 new values to the list and print the updated list.
7 List_of_random_numbers .extend([60,100,101])
8 print("Updated list",List_of_random_numbers )
9
10 # Q3. Try to use a for loop to print each element in the list.
```

Below the editor, the 'Run' console shows the output of the script:

```
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe "C:\Users\ajayc\PycharmProjects\
List of 5 random numbers: [1, 5, 10, 35, 50]
Updated list [1, 5, 10, 35, 50, 60, 100, 101]

Process finished with exit code 0
```

The status bar at the bottom indicates the current file is 'Assignment 2.py' and provides details about the code (7:1, 90 chars, 1 line break) and the Python environment (Python 3.13).

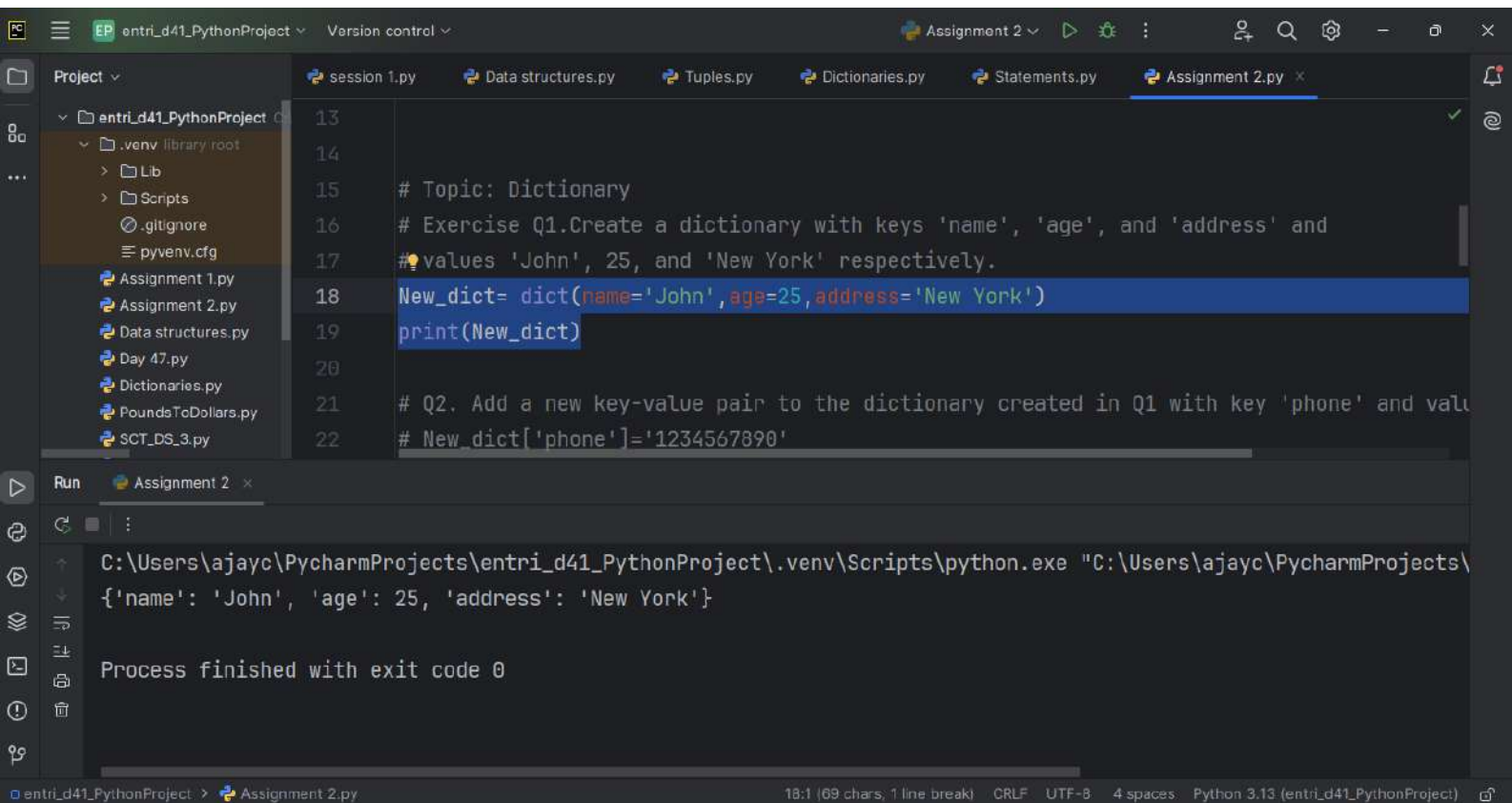
The screenshot shows a Python IDE with a project named 'entri_d41_PythonProject'. The file explorer on the left lists various files, including 'Assignment 1.py', 'Assignment 2.py', 'Data structures.py', 'Day 47.py', 'Dictionaries.py', 'PoundsToDollars.py', and 'SCT_DS_3.py'. The main editor displays 'Assignment 2.py' with the following code:

```
4 print("List of 5 random numbers:", List_of_random_numbers)
5
6 # Q2. Insert 3 new values to the list and print the updated list.
7 List_of_random_numbers .extend([60,100,101])
8 print("Updated list",List_of_random_numbers )
9
10 #Q3. Try to use a for loop to print each element in the list.
11 For i in List_of_random_numbers :
12     print(i)
13
```

The code is executed, and the console at the bottom shows the output:

```
10
35
50
60
100
101
```

The status bar at the bottom indicates the file is 'Assignment 2.py' with 11:1 (46 chars, 1 line break), using CRLF line endings, UTF-8 encoding, 4 spaces for indentation, and Python 3.13 (entri_d41_PythonProject).



The screenshot shows the PyCharm IDE interface. The main editor window displays a Python script with the following content:

```
1 # Topic :List Exercise
2 # Q1. Create a list of 5 random numbers and print the list.
3 # List_of_random_numbers = [1,5,10,35,50]
4 # Generate a dictionary with keys 'name', 'age', and 'address' and
5 # values 'John', 25, and 'New York' respectively.
17 New_dict= dict(name='John',age=25,address='New York')
18 print(New_dict)
19
20
21 #Q2. Add a new key-value pair to the dictionary created in Q1 with key 'phone' and value
22 New_dict['phone']='1234567890'
23 print (New_dict)
24
25 # Topic: Set Exercise
```

The left sidebar shows the project structure for 'entri_d41_PythonProject', including files like 'Assignment 1.py', 'Assignment 2.py', 'Data structures.py', 'Day 47.py', 'Dictionaries.py', 'PoundsToDollars.py', and 'SCT_DS_3.py'. The bottom panel shows the 'Run' output for 'Assignment 2.py', displaying the execution command and the resulting dictionary output:

```
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe "C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\Assignment 2.py"
{'name': 'John', 'age': 25, 'address': 'New York'}
{'name': 'John', 'age': 25, 'address': 'New York', 'phone': '1234567890'}
```

The process finished with exit code 0. The status bar at the bottom indicates the file is 'Assignment 2.py' at line 22, column 1, with 47 characters, 1 line break, CRLF line endings, UTF-8 encoding, 4 spaces, and Python 3.13 interpreter.

entri_d41_PythonProject Version control Assignment 2

Project

- entri_d41_PythonProject
 - .venv library root
 - Lib
 - Scripts
 - .gitignore
 - pyvenv.cfg
 - Assignment 1.py
 - Assignment 2.py
 - Data structures.py
 - Day 47.py
 - Dictionaries.py
 - Pounds To Dollars.py
 - SCT_DS_3.py

session 1.py Data structures.py Tuples.py Dictionaries.py Statements.py Assignment 2.py

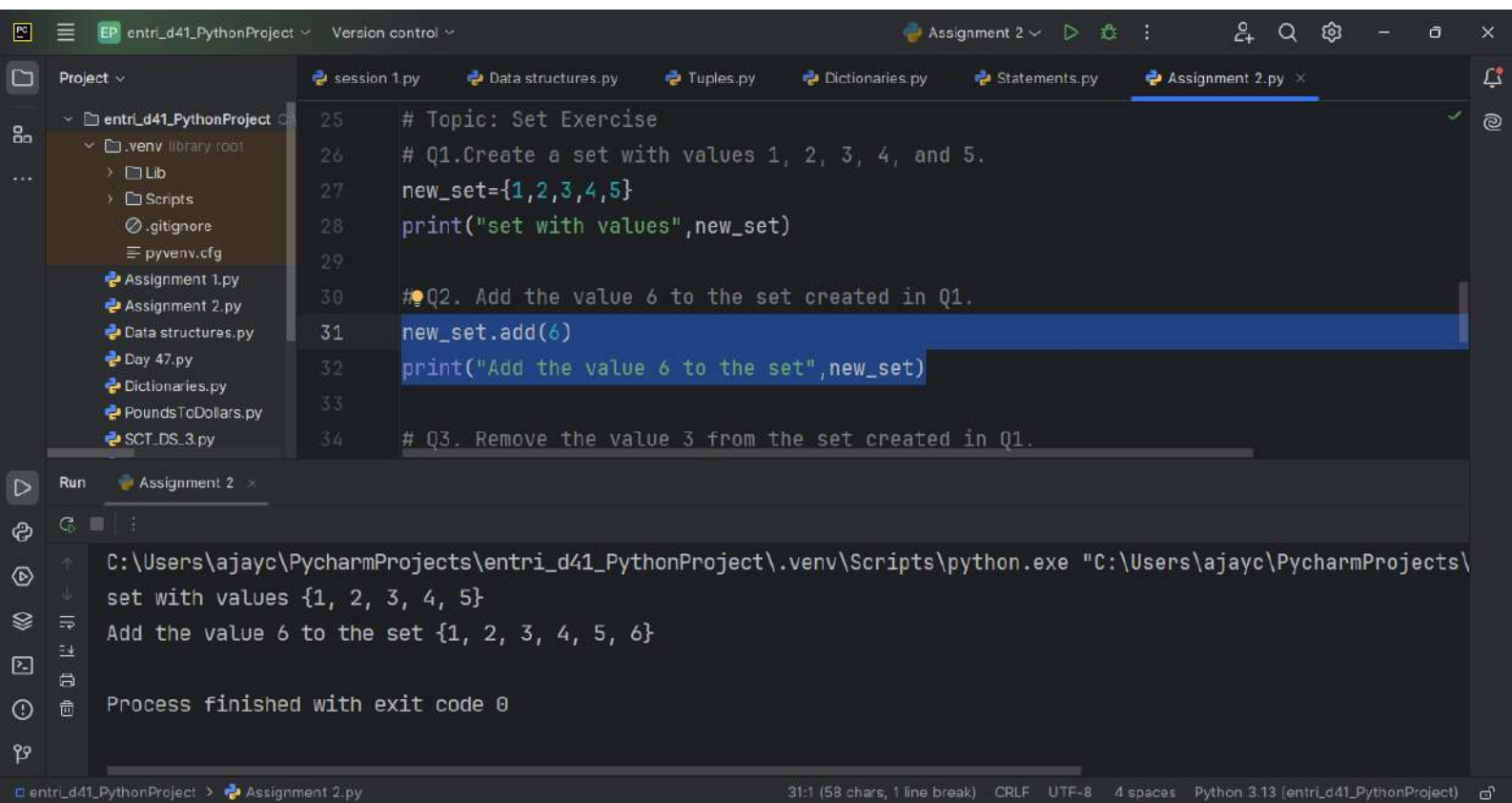
```
22 # New_dict['phone']='1234567890'
23 # print (New_dict)
24
25 # Topic: Set Exercise
26 # Q1.Create a set with values 1, 2, 3, 4, and 5.
27 new_set={1,2,3,4,5}
28 print("set with values",new_set)
29
30 # Q2. Add the value 6 to the set created in Q1.
31 # new_set.add(6)
```

Run Assignment 2

```
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe "C:\Users\ajayc\PycharmProjects\
set with values {1, 2, 3, 4, 5}

Process finished with exit code 0
```

entri_d41_PythonProject > Assignment 2.py 27:1 (52 chars, 1 line break) CRLF UTF-8 4 spaces Python 3.13 (entri_d41_PythonProject)



The screenshot shows a Python IDE with a project named 'entri_d41_PythonProject'. The left sidebar displays the project structure, including a virtual environment and several Python files. The main editor window shows the code for 'Assignment 2.py', which defines a set, adds an element, and removes an element. The bottom panel shows the output of the code execution, which matches the expected results for the operations performed.

```
28 print("set with values",new_set)
29
30 # Q2. Add the value 6 to the set created in Q1.
31 new_set.add(6)
32 print("Add the value 6 to the set",new_set)
33
34 #Q3. Remove the value 3 from the set created in Q1.
35 new_set.remove(3)
36 print("Remove the value 3 from the set",new_set)
37
```

Run Assignment 2 x

set with values {1, 2, 3, 4, 5}
Add the value 6 to the set {1, 2, 3, 4, 5, 6}
Remove the value 3 from the set {1, 2, 4, 5, 6}

Process finished with exit code 0

entri_d41_PythonProject > Assignment 2.py 35:1 (66 chars, 1 line break) CRLF UTF-8 4 spaces Python 3.13 (entri_d41_PythonProject)

