Tasks and results

1 List Exercise Q1. Create a list of 5 random numbers and print the list.

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe C:\Users\hp\PycharmProjects\exercise_1\Assignment_2.py
[1, 5, 4, 6, 10]

Process finished with exit code 0
```
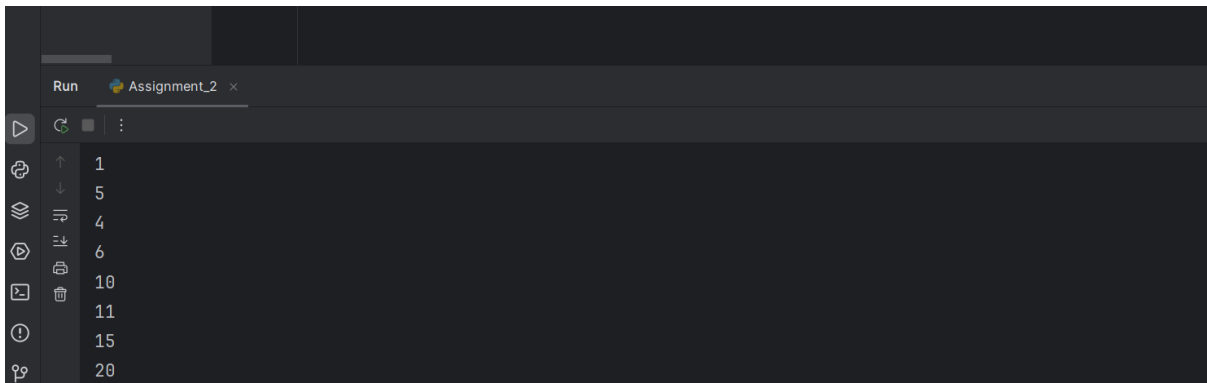
2 Q2. Insert 3 new values to the list and print the updated list

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe C:\Users\hp\PycharmProjects\exercise_1\Assignment_2.py
[1, 5, 4, 6, 10]
[1, 5, 4, 6, 10, 11, 15, 20]

Process finished with exit code 0
```

3 Q3. Try to use a for loop to print each element in the list

4 Dictionary Exercise Q1. Create a dictionary with keys 'name', 'age', and 'address' and values 'John', 25, and 'New York' respectively

5 Add a new key-value pair to the dictionary created in Q1 with key 'phone' and value '1234567890'.

6 Set Exercise Q1. Create a set with values 1, 2, 3, 4, and 5.

```
{1, 2, 3, 4, 5}

Process finished with exit code 0
```

Tasks and results

7 Q2. Add the value 6 to the set created in Q1.

```
{1, 2, 3, 4, 5}
{1, 2, 3, 4, 5, 6}

Process finished with exit code 0
```

8 Q3. Remove the value 3 from the set created in Q1.

```
{1, 2, 3, 4, 5}
{1, 2, 3, 4, 5, 6}
{1, 2, 4, 5, 6}
```

9 Tuple Exercise Q1. Create a tuple with values 1, 2, 3, and 4

```
(1, 2, 3, 4)
<class 'tuple'>

Process finished with exit code 0
```

10 Q2. Print the length of the tuple created in Q1.

```
33    print(len(tuple1))
34

Run    Assignment_2  ×

{1, 2, 3, 4, 5}
{1, 2, 3, 4, 5, 6}
{1, 2, 4, 5, 6}
(1, 2, 3, 4)
<class 'tuple'>
4
```