```
 1 C:\Users\alexs\AppData\Local\Microsoft\WindowsApps\
   python3.9.exe "C:\Program Files\JetBrains\PyCharm
   2020.3.3\plugins\python\helpers\pydev\pydevconsole.py
   " --mode=client --port=58552
 2
 3 import sys; print('Python %s on %s' % (sys.version,
   sys.platform))
 4 sys.path.extend(['C:\\Users\\alexs\\PycharmProjects\\
   lab5_215', 'C:/Users/alexs/PycharmProjects/lab5_215
   '])
 5
 6 PyDev console: starting.
 7
 8 Python 3.9.13 (tags/v3.9.13:6de2ca5, May 17 2022, 16:
   36:42) [MSC v.1929 64 bit (AMD64)] on win32
 9 >>> a = ["Alex", "Bob", "Maria"]
10 >>> a = ["Alex", "Bob", "Maria"]
11 >>> b = {"a": "b", 0: "salut", (1, 2): "ceva"}
12 >>> b
13 {'a': 'b', 0: 'salut', (1, 2): 'ceva'}
14 >>> b = {0: "Alex", 1: "Bob", 2: "Maria"}
15 >>> b
16 {0: 'Alex', 1: 'Bob', 2: 'Maria'}
17 >>> a.append("Cristina")
18 >>> b[3] = "Cristina"
19 >>> b
20 {0: 'Alex', 1: 'Bob', 2: 'Maria', 3: 'Cristina'}
21 >>> a[1]
22 'Bob'
23 >>> a[2]
24 'Maria'
25 >>> b[2]
26 'Maria'
27 >>> b[5]
28 Traceback (most recent call last):
29   File "C:\Program Files\WindowsApps\
   PythonSoftwareFoundation.Python.3.9_3.9.3568.
   0_x64__qbz5n2kfra8p0\lib\code.py", line 90, in
   runcode
30     exec(code, self.locals)
31   File "<input>", line 1, in <module>
```

```
32 KeyError: 5
33 >>> a[5]
34 Traceback (most recent call last):
35   File "C:\Program Files\WindowsApps\
   PythonSoftwareFoundation.Python.3.9_3.9.3568.
   0_x64__qbz5n2kfra8p0\lib\code.py", line 90, in
   runcode
36     exec(code, self.locals)
37   File "<input>", line 1, in <module>
38 IndexError: list index out of range
39 >>> b
40 {0: 'Alex', 1: 'Bob', 2: 'Maria', 3: 'Cristina'}
41 >>> a[5] = "ceva"
42 Traceback (most recent call last):
43   File "C:\Program Files\WindowsApps\
   PythonSoftwareFoundation.Python.3.9_3.9.3568.
   0_x64__qbz5n2kfra8p0\lib\code.py", line 90, in
   runcode
44     exec(code, self.locals)
45   File "<input>", line 1, in <module>
46 IndexError: list assignment index out of range
47 >>> for el in a:
48 ...     print(el)
49 ...
50 Alex
51 Bob
52 Maria
53 Cristina
54 >>> for el in b:
55 ...     print(el)
56 ...
57 0
58 1
59 2
60 3
61 >>> for el in b.values():
62 ...     print(el)
63 ...
64 Alex
65 Bob
66 Maria
```

```
 67 Cristina
 68 >>> for key, el in b.items():
 69 ...     print(el)
 70 ...
 71 Alex
 72 Bob
 73 Maria
 74 Cristina
 75 >>> for key, el in b.items():
 76 ...     print(key, el)
 77 ...
 78 0 Alex
 79 1 Bob
 80 2 Maria
 81 3 Cristina
 82 >>> a
 83 ['Alex', 'Bob', 'Maria', 'Cristina']
 84 >>> del a[1]
 85 >>> a
 86 ['Alex', 'Maria', 'Cristina']
 87 >>> b
 88 {0: 'Alex', 1: 'Bob', 2: 'Maria', 3: 'Cristina'}
 89 >>> del b[1]
 90 >>> b
 91 {0: 'Alex', 2: 'Maria', 3: 'Cristina'}
 92 >>> a
 93 ['Alex', 'Maria', 'Cristina']
 94 >>> 1 in a
 95 False
 96 >>> "Alex" in a
 97 True
 98 >>> "Alex" in b
 99 False
100 >>> 0 in b
101 True
102 >>> "Alex" in b.values()
103 True
104 >>> (0, "Alex") in b.items()
105 True
106 >>> (1, "Alex") in b.items()
107 False
```

```
108 >>> len(a)
109 3
110 >>> len(b)
111 3
112
```