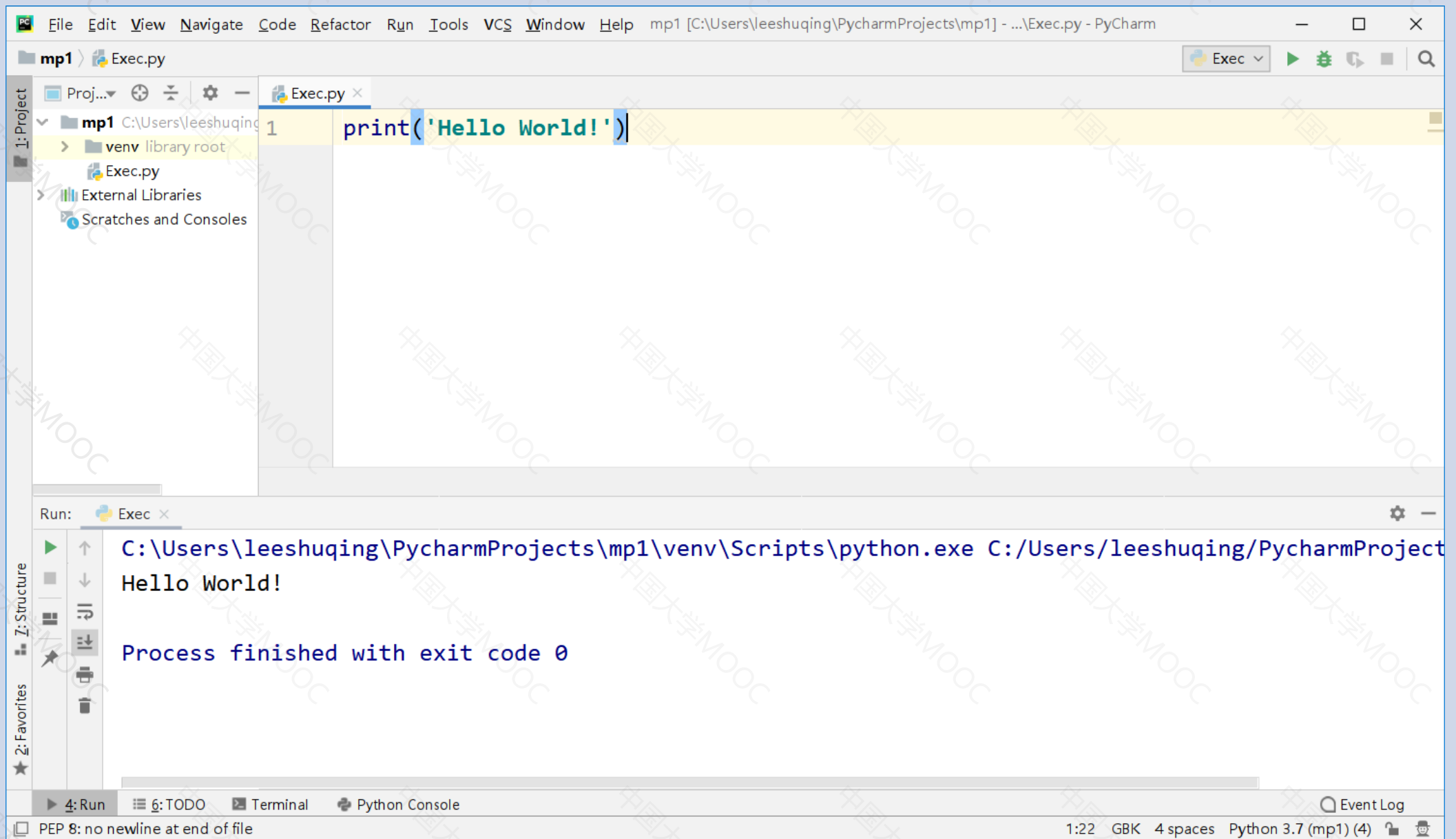
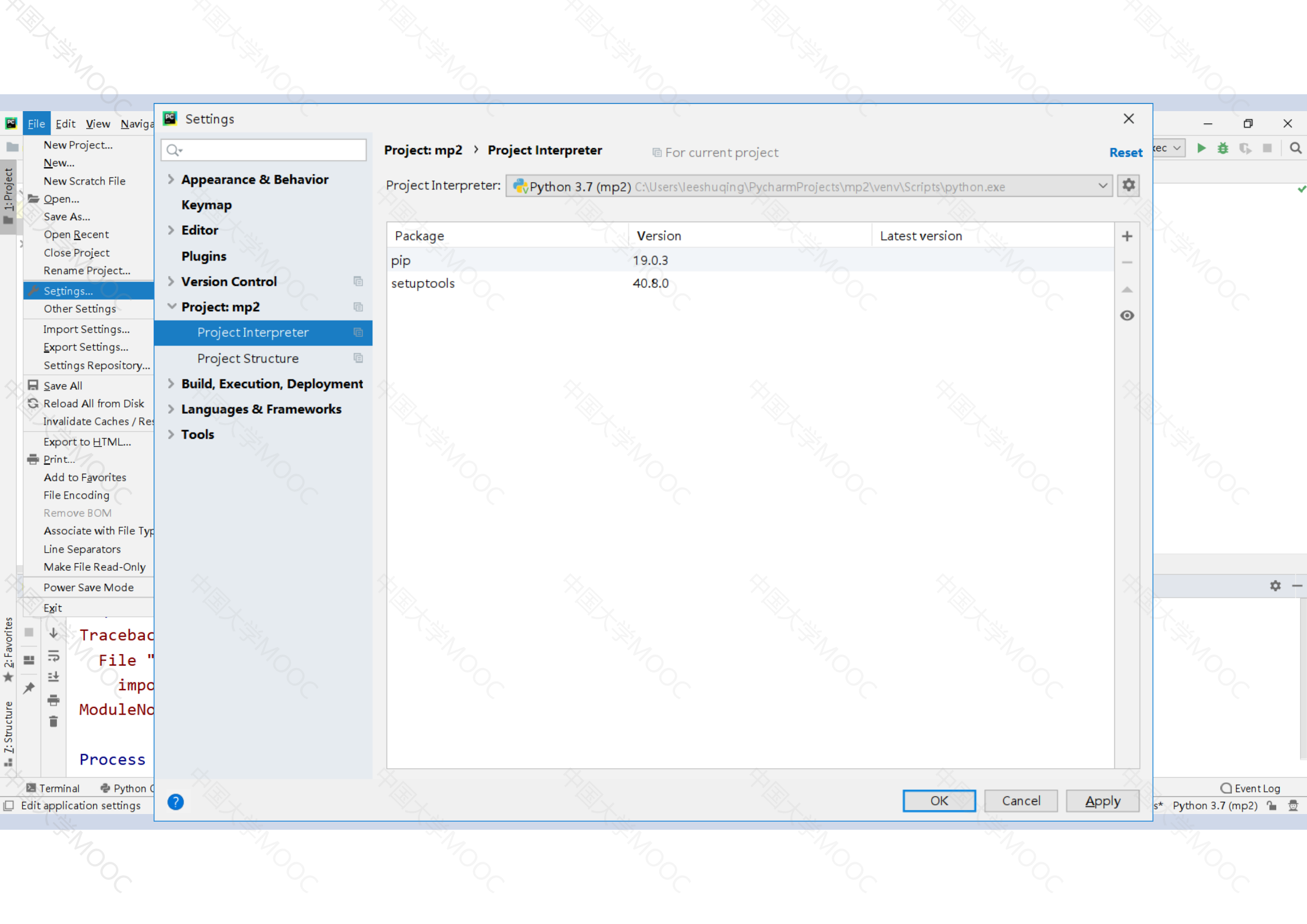


# Python大数据分析

## 一、数据的建立





# Settings

Search

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## Project: mp2 > Project Interpreter

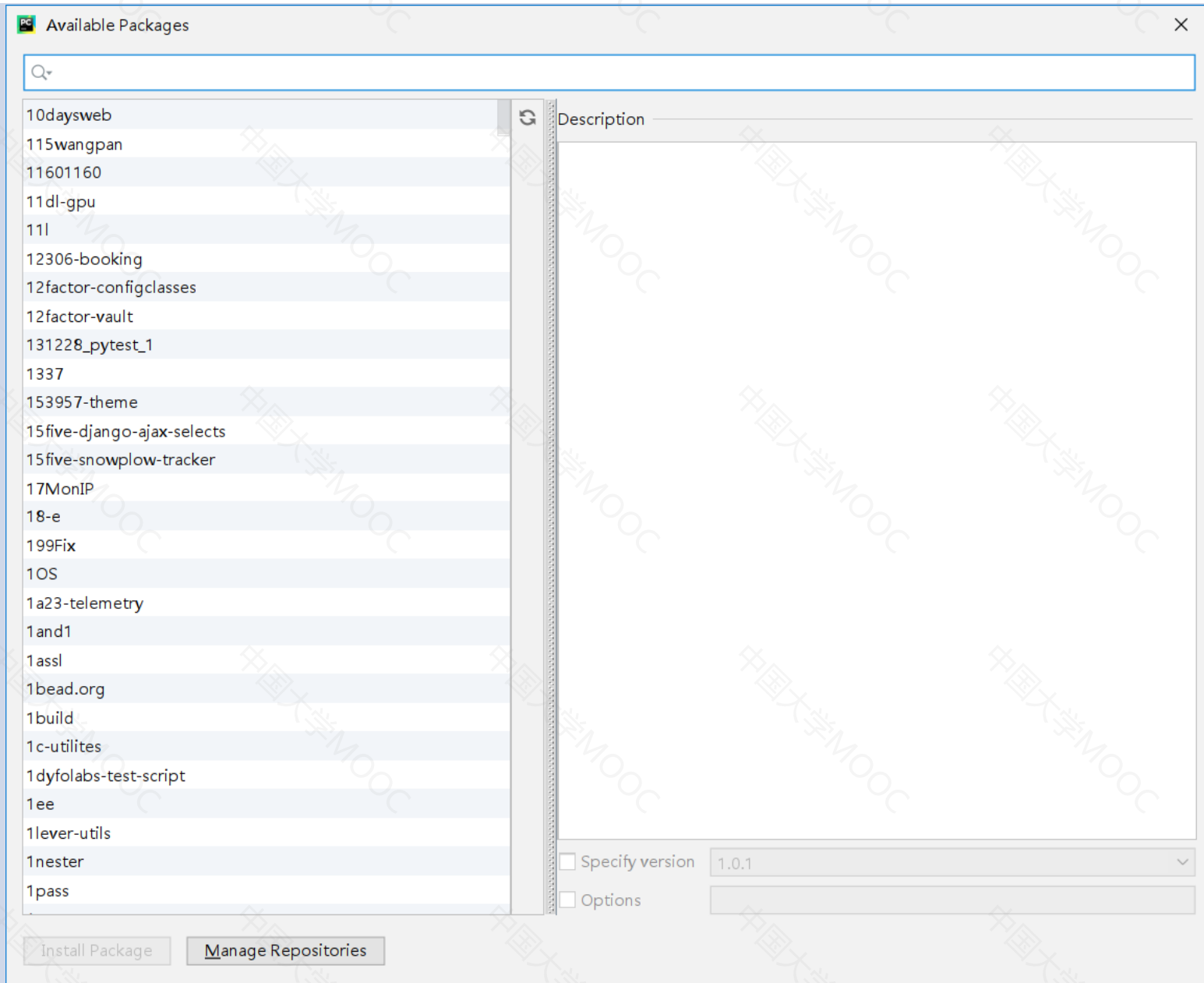
For current project

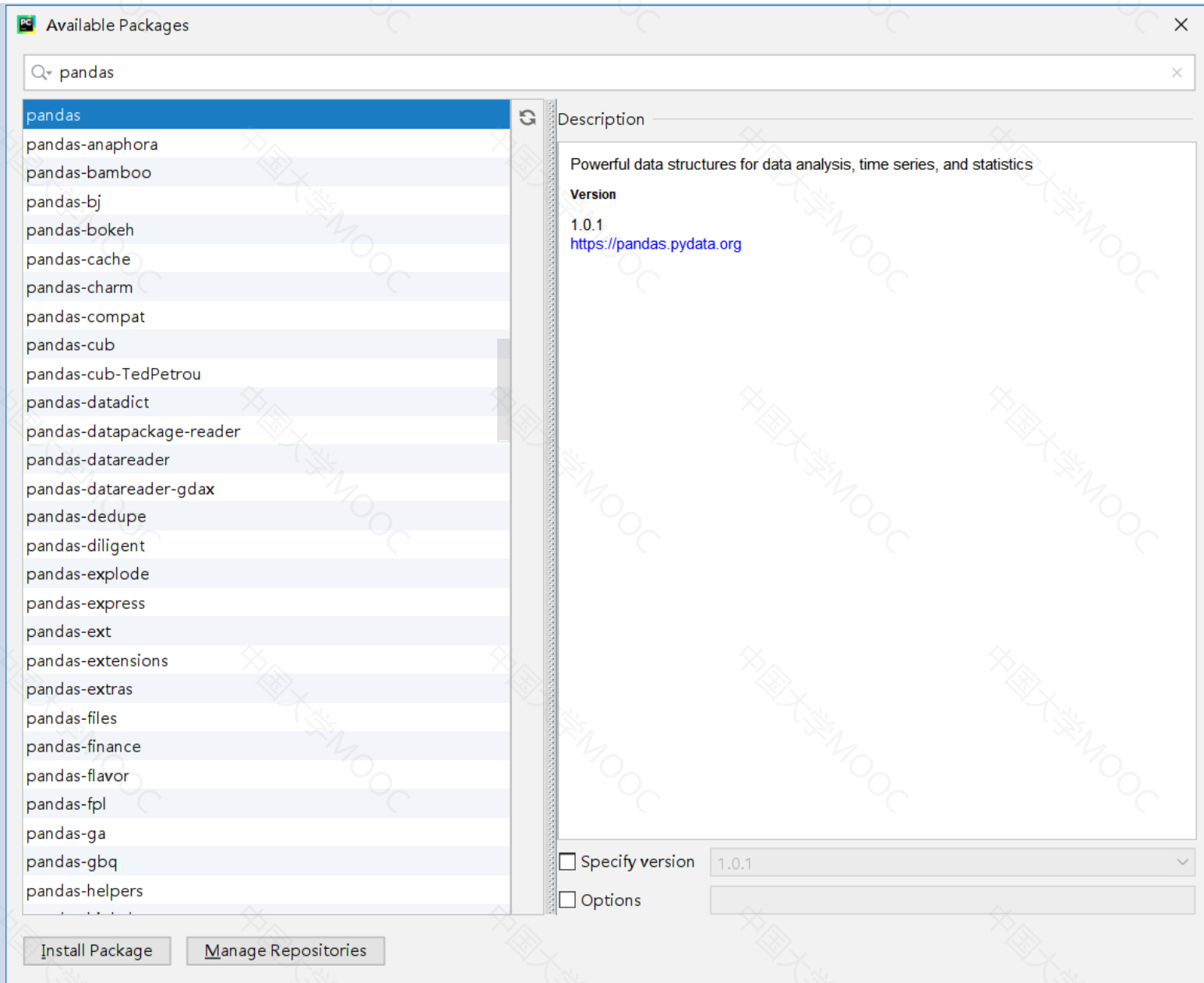
Reset

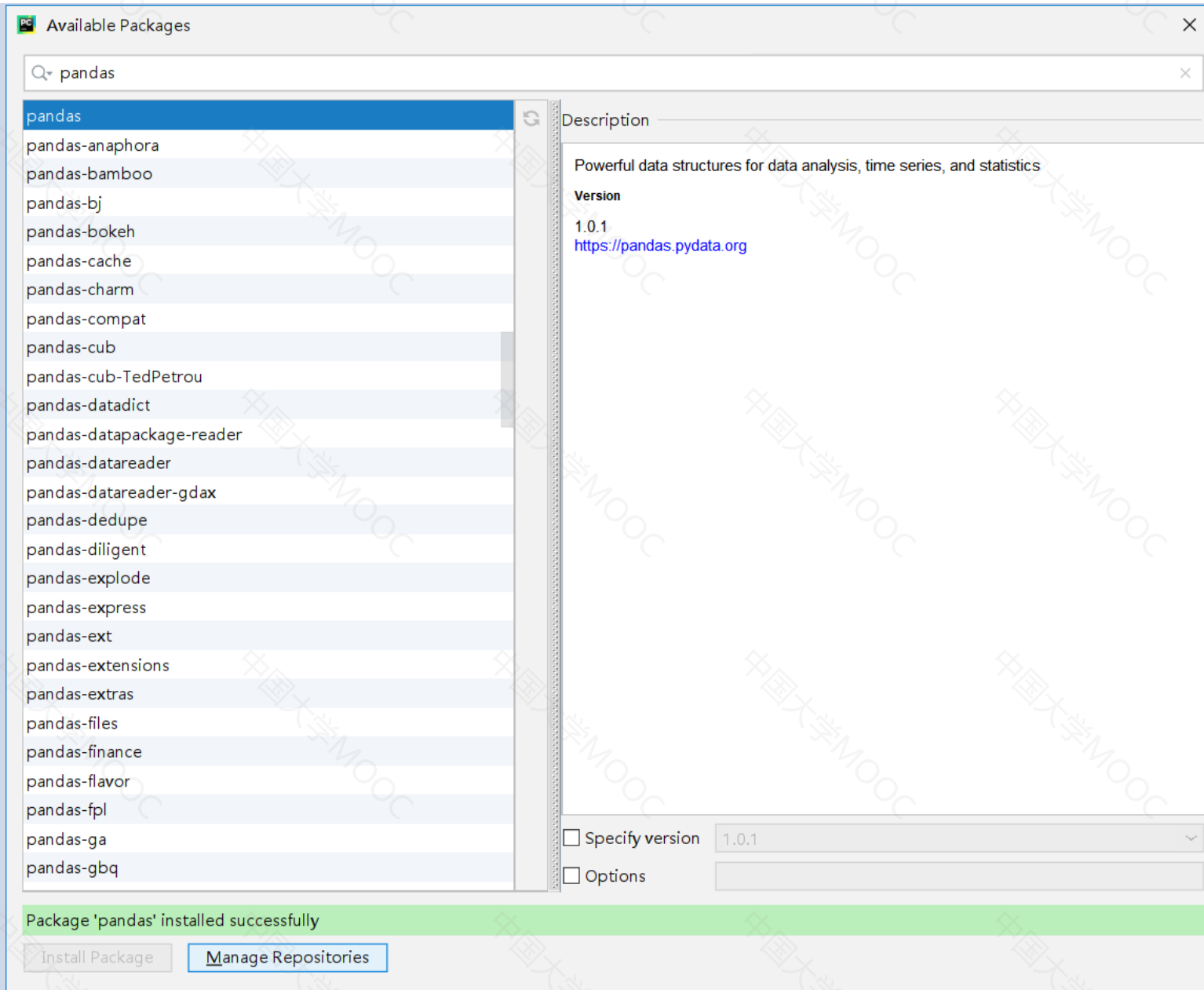
Project Interpreter: Python 3.7 (mp2) C:\Users\leeshuqing\PycharmProjects\mp2\venv\Scripts\python.exe

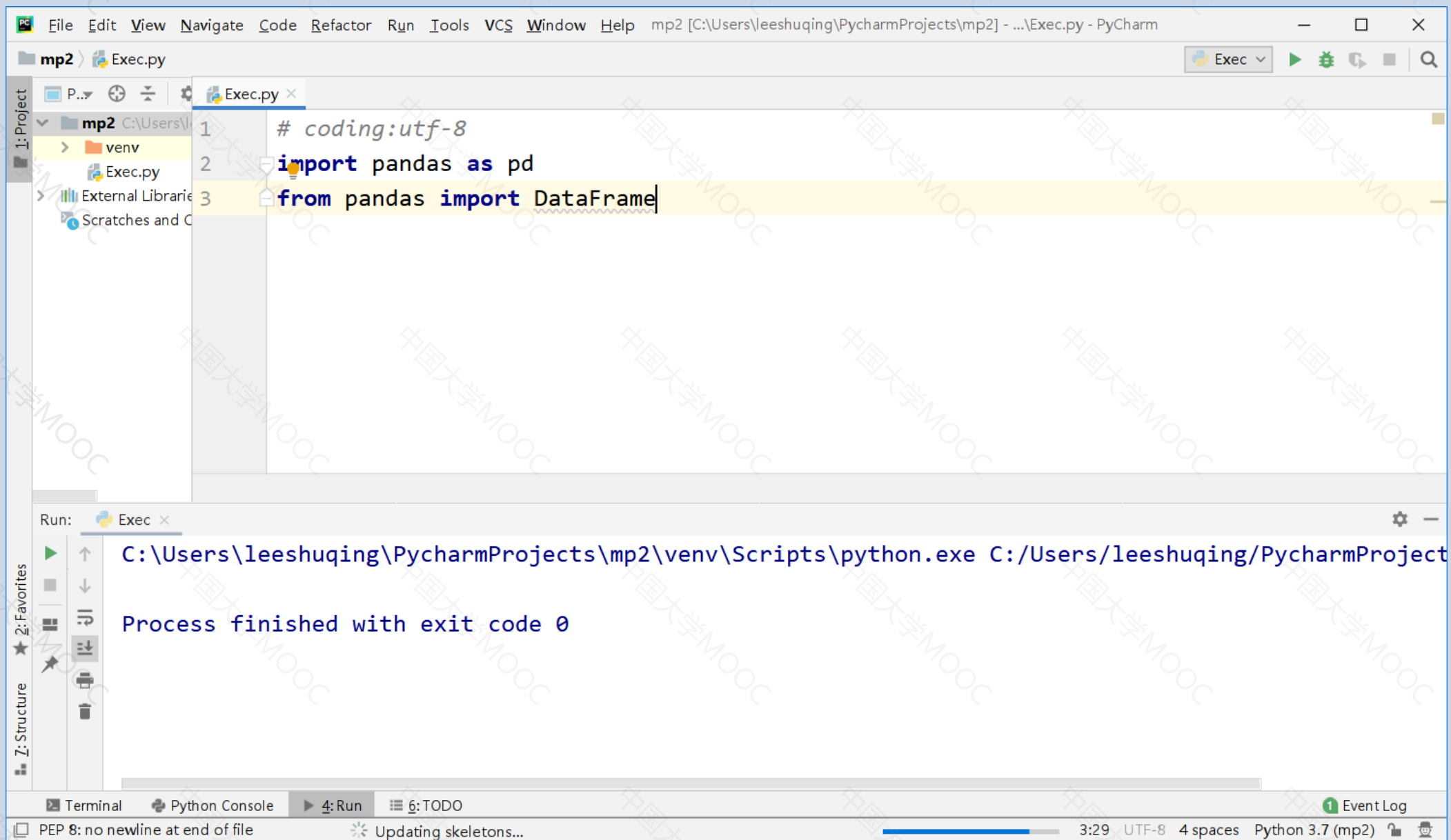
Package	Version	Latest version
pip	19.0.3	
setuptools	40.8.0	

OK Cancel Apply





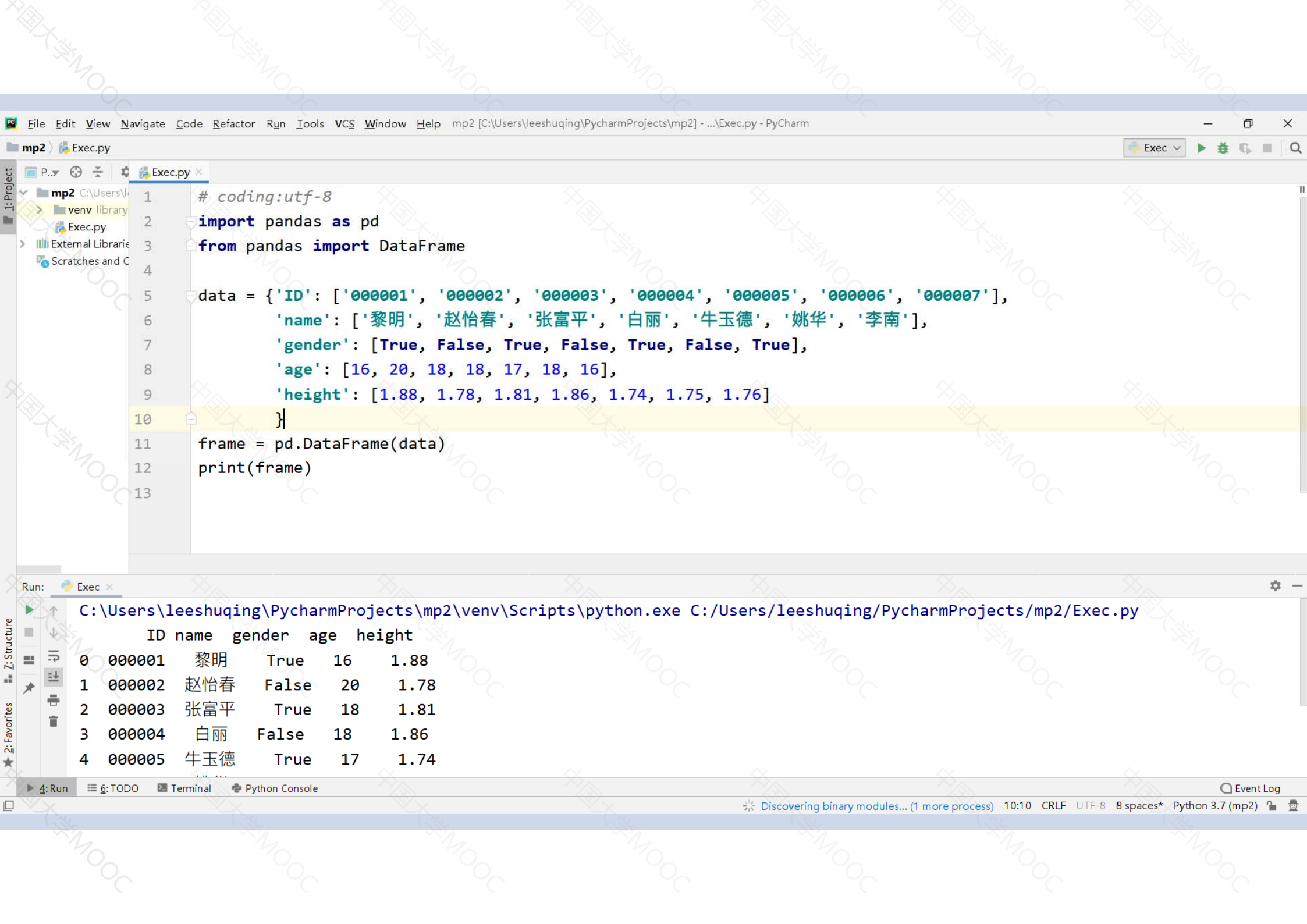


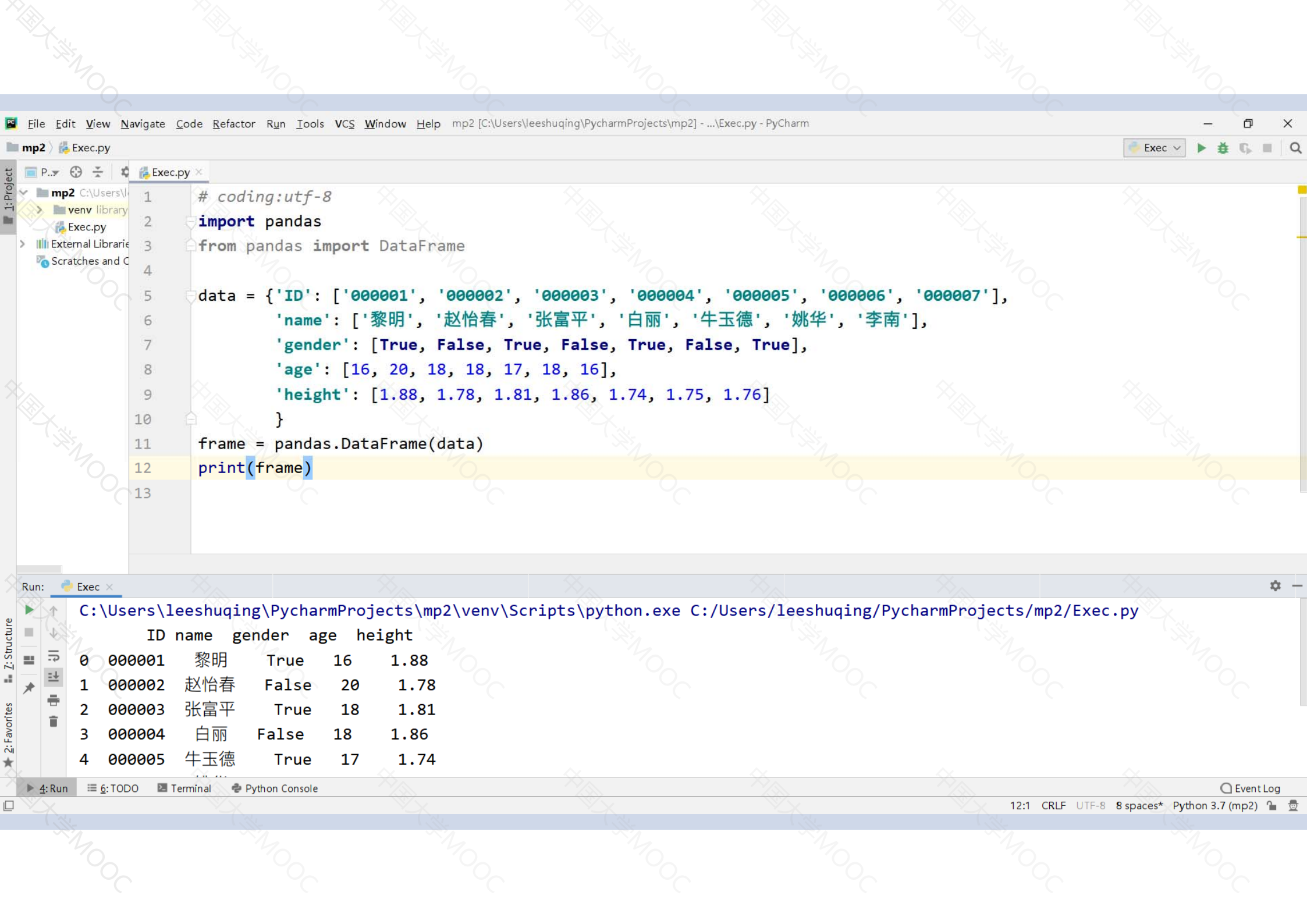


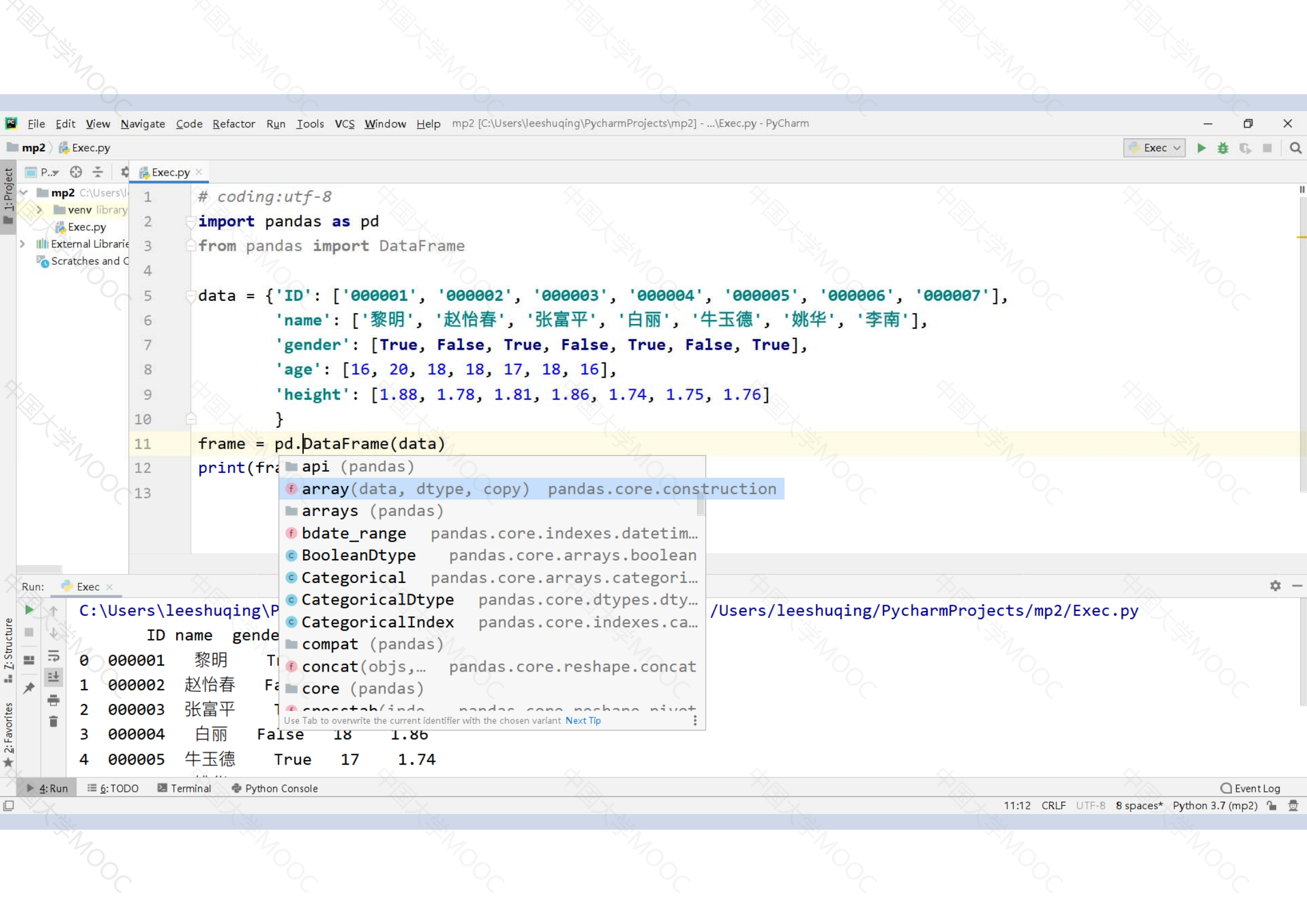
# 学生数据

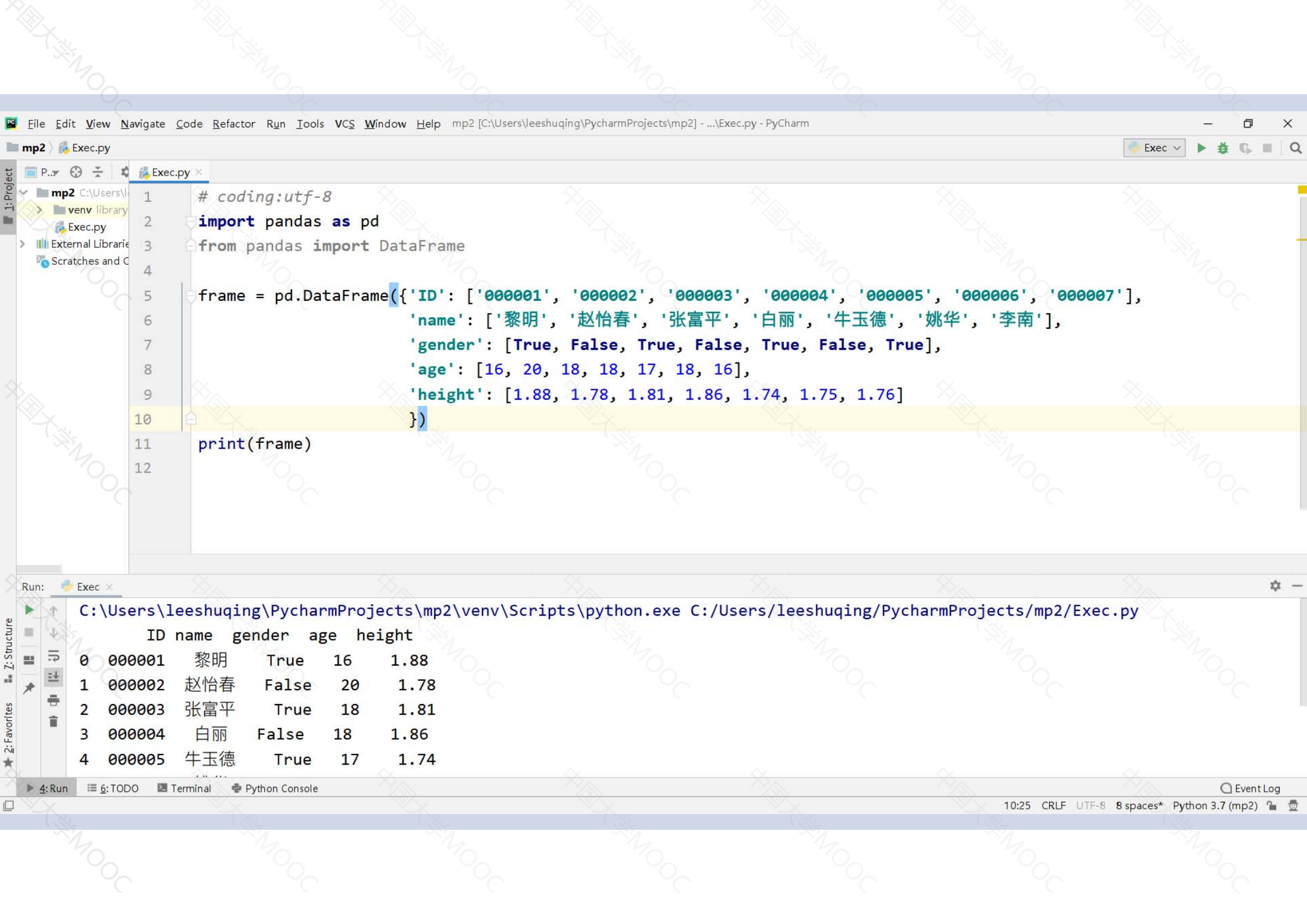
ID	name	gender	age	height
000001	黎明	男	16	1.88
000002	赵怡春	女	20	1.78
000003	张富平	男	18	1.81
000004	白丽	女	18	1.86
000005	牛玉德	男	17	1.74
000006	姚华	女	18	1.75
000007	李南	男	16	1.76



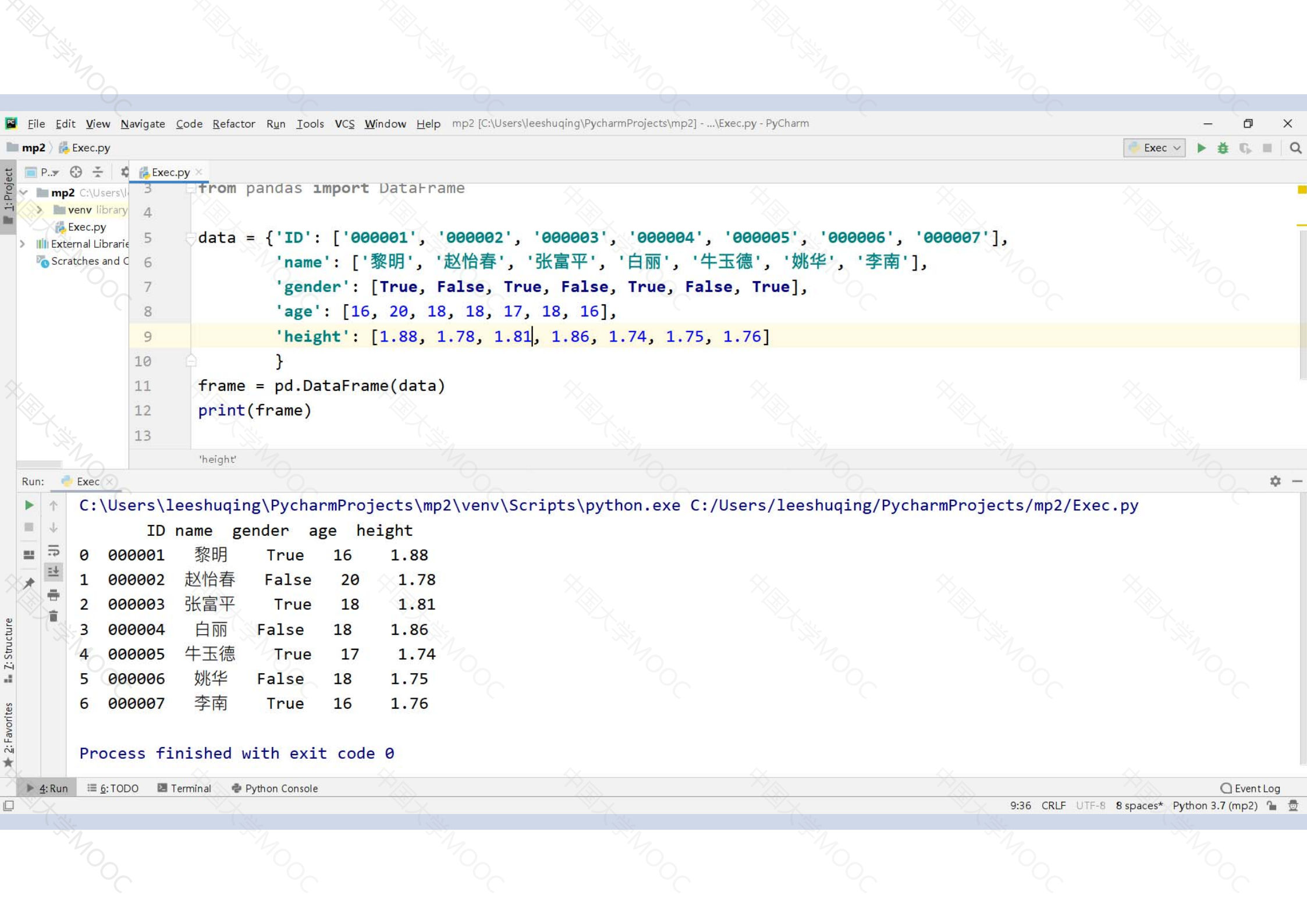












```
from pandas import DataFrame

data = {'ID': ['000001', '000002', '000003', '000004', '000005', '000006', '000007'],
        'name': ['黎明', '赵怡春', '张富平', '白丽', '牛玉德', '姚华', '李南'],
        'gender': [True, False, True, False, True, False, True],
        'age': [16, 20, 18, 18, 17, 18, 16],
        'height': [1.88, 1.78, 1.81, 1.86, 1.74, 1.75, 1.76]}

frame = pd.DataFrame(data)
print(frame)
```

C:\Users\leeshuqing\PycharmProjects\mp2\venv\Scripts\python.exe C:/Users/leeshuqing/PycharmProjects/mp2/Exec.py

	ID	name	gender	age	height
0	000001	黎明	True	16	1.88
1	000002	赵怡春	False	20	1.78
2	000003	张富平	True	18	1.81
3	000004	白丽	False	18	1.86
4	000005	牛玉德	True	17	1.74
5	000006	姚华	False	18	1.75
6	000007	李南	True	16	1.76

Process finished with exit code 0

EventLog

9:36 CRLF UTF-8 8 spaces\* Python 3.7 (mp2)

```
3 from pandas import DataFrame
4
5 data = {'ID': ['000001', '000002', '000003', '000004', '000005', '000006', '000007'],
6         'name': ['黎明', '赵怡春', '张富平', '白丽', '牛玉德', '姚华', '李南'],
7         'gender': [True, False, True, False, True, False, True],
8         'age': [16, 20, 18, 18, 17, 18, 16],
9         'height': [1.88, 1.78, 1.81, 1.86, 1.74, 1.75, 1.76]
10      }
11 frame = pd.DataFrame(data)
12 print(frame)
13
```

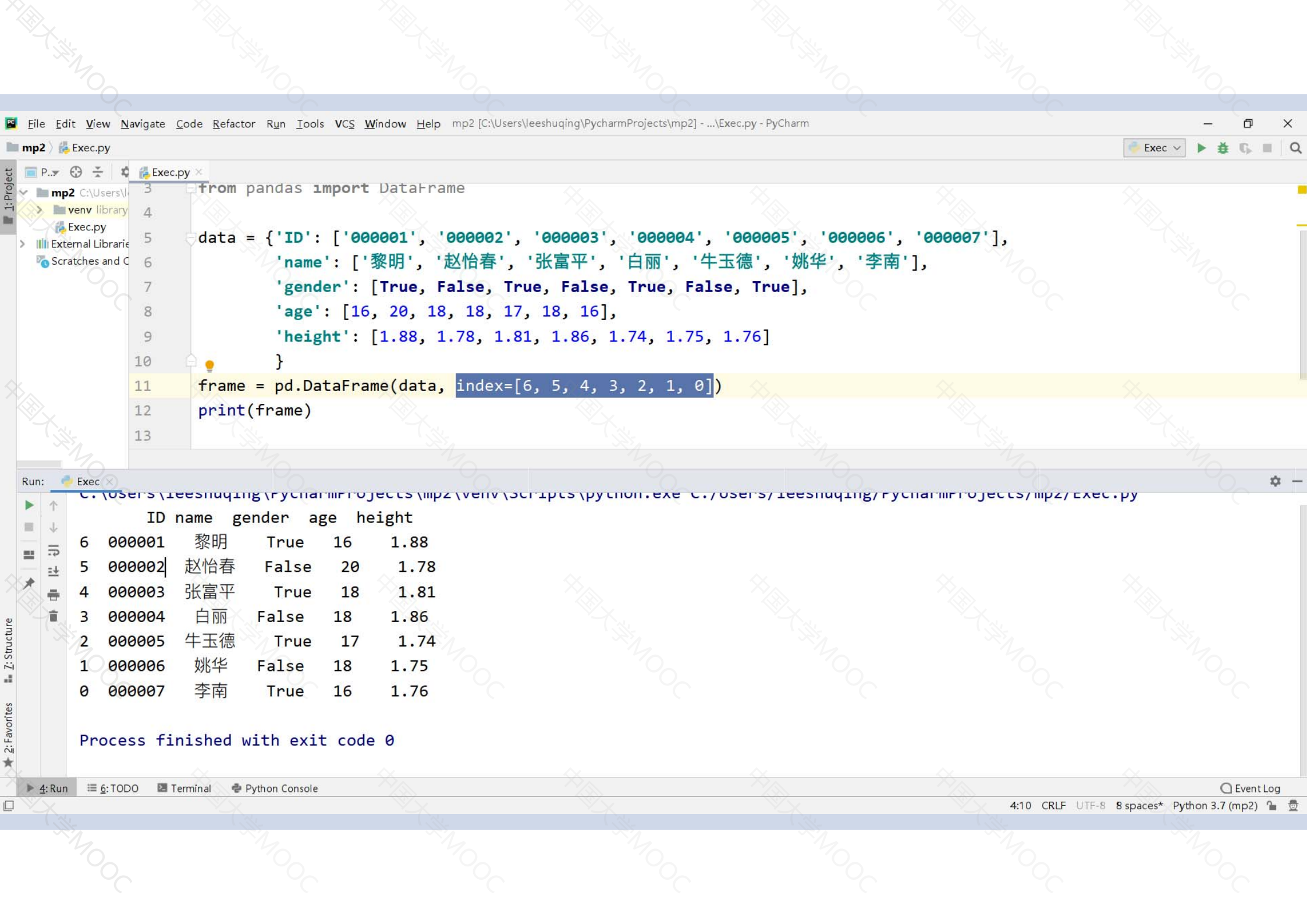
'age'

Run:

Exec

```
mgr = init_dict(data, index, columns, dtype=dtype)
File "C:\Users\leeshuqing\PycharmProjects\mp2\venv\lib\site-packages\pandas\core\internals\construction.py", line 254, in init_
return arrays_to_mgr(arrays, data_names, index, columns, dtype=dtype)
File "C:\Users\leeshuqing\PycharmProjects\mp2\venv\lib\site-packages\pandas\core\internals\construction.py", line 64, in arrays
index = extract_index(arrays)
File "C:\Users\leeshuqing\PycharmProjects\mp2\venv\lib\site-packages\pandas\core\internals\construction.py", line 365, in extra
raise ValueError("arrays must all be same length")
ValueError: arrays must all be same length
```

Process finished with exit code 1



**一次不学多，下次再学**