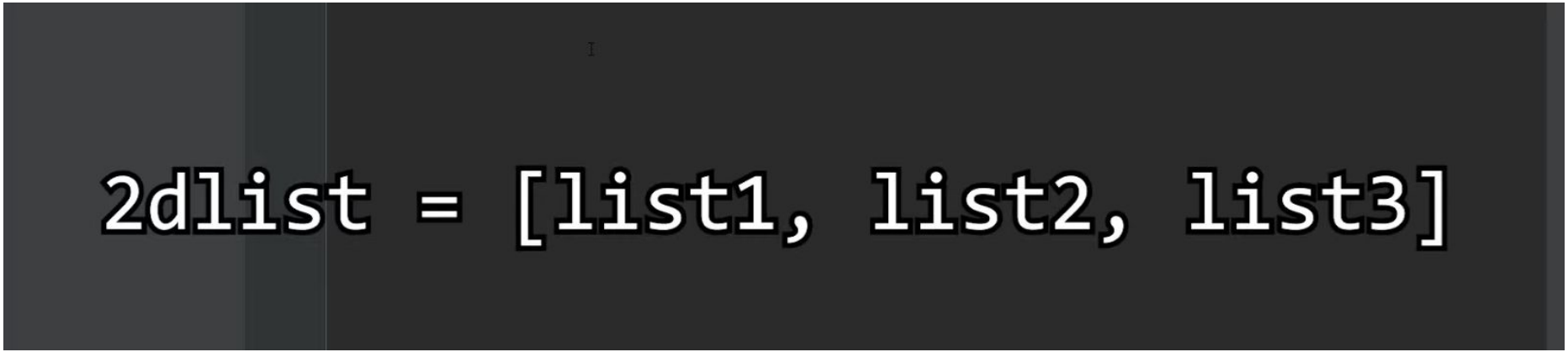


A list made up of lists

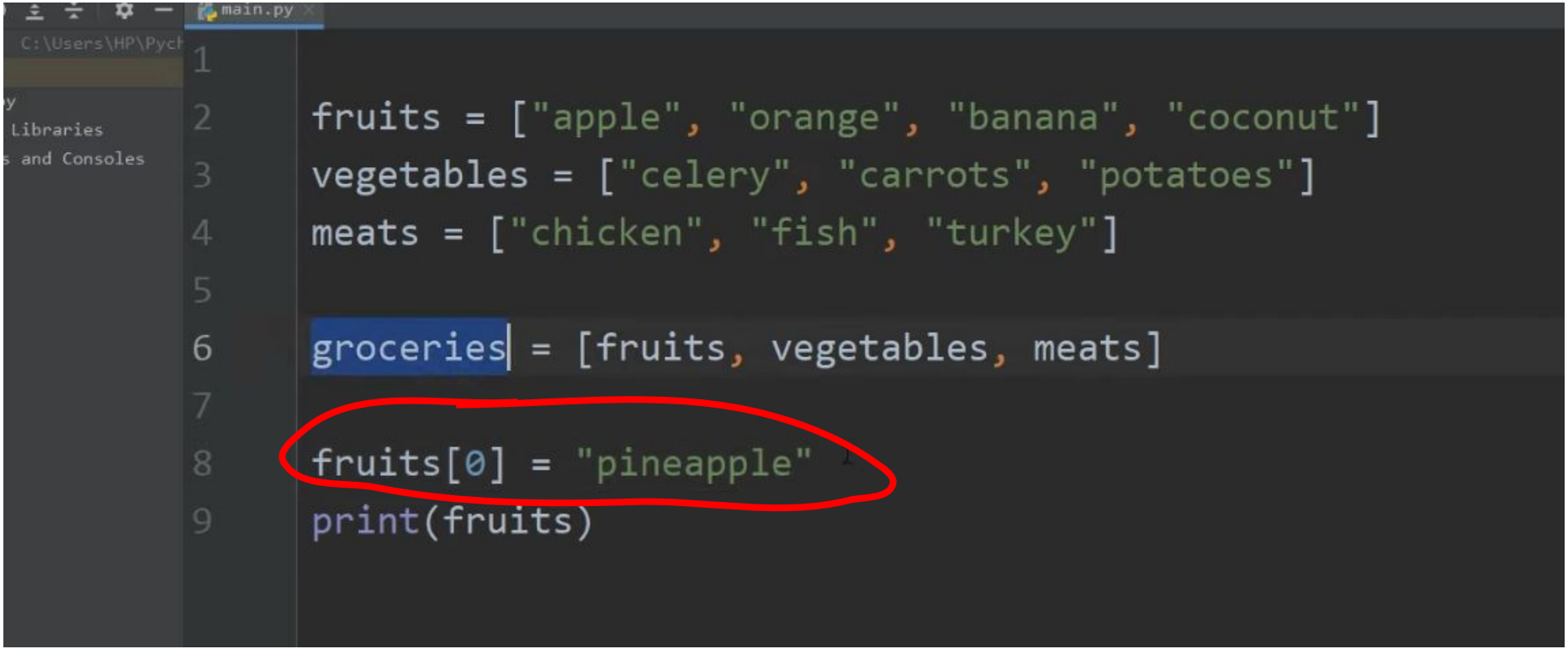
Video: https://www.youtube.com/watch?v=Xy6qeQWQwFw

	Sex	Race	Height	Income	Marital Status	Years of Educ.
R1001	M	1	70	50	1	12
R1002	M	2	72	100	2	20
R1003	F	1	55	250	1	16
R1004	M	2	65	20	2	16
R1005	F	1	60	10	3	12
R1006	M	1	68	30	1	9
R1007	F	5	66	25	2	21
R1008	F	4	61	43	1	18
R1009	M	1	69	67	1	12

```
fruits = ["apple", "orange", "banana", "coconut"]
vegetables = ["celery", "carrots", "potatoes"]
meats = ["chicken", "fish", "turkey"]

groceries = [fruits, vegetables, meats]

fruits[0]
print(fruits)
```


main.py
C:\Users\HP\Pych
Libraries
and Consoles
1
2 fruits = ["apple", "orange", "banana", "coconut"]
3 vegetables = ["celery", "carrots", "potatoes"]
4 meats = ["chicken", "fish", "turkey"]
5
6 groceries = [fruits, vegetables, meats]
7
8 fruits[0] = "pineapple"
9 print(fruits)

```
1
2  fruits = ["apple", "orange", "banana", "coconut"]
3  vegetables = ["celery", "carrots", "potatoes"]
4  meats = ["chicken", "fish", "turkey"]
5
6  groceries = [fruits, vegetables, meats]
7
8  print(groceries[0])
```

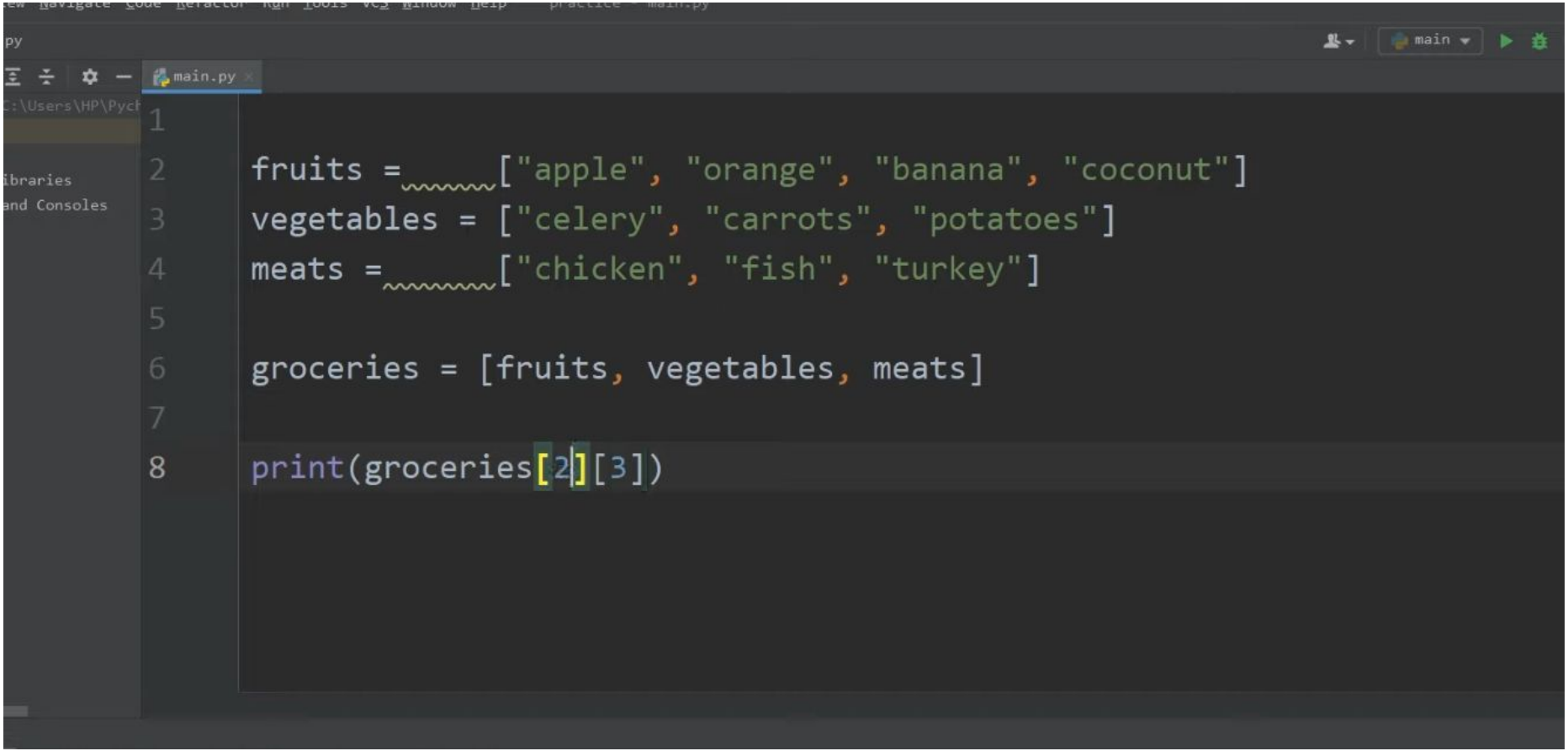
This returns an entire row

```
fruits = ["apple", "orange", "banana", "coconut"]
vegetables = ["celery", "carrots", "potatoes"]
meats = ["chicken", "fish", "turkey"]

groceries = [fruits, vegetables, meats]

print(groceries[0][1])
```

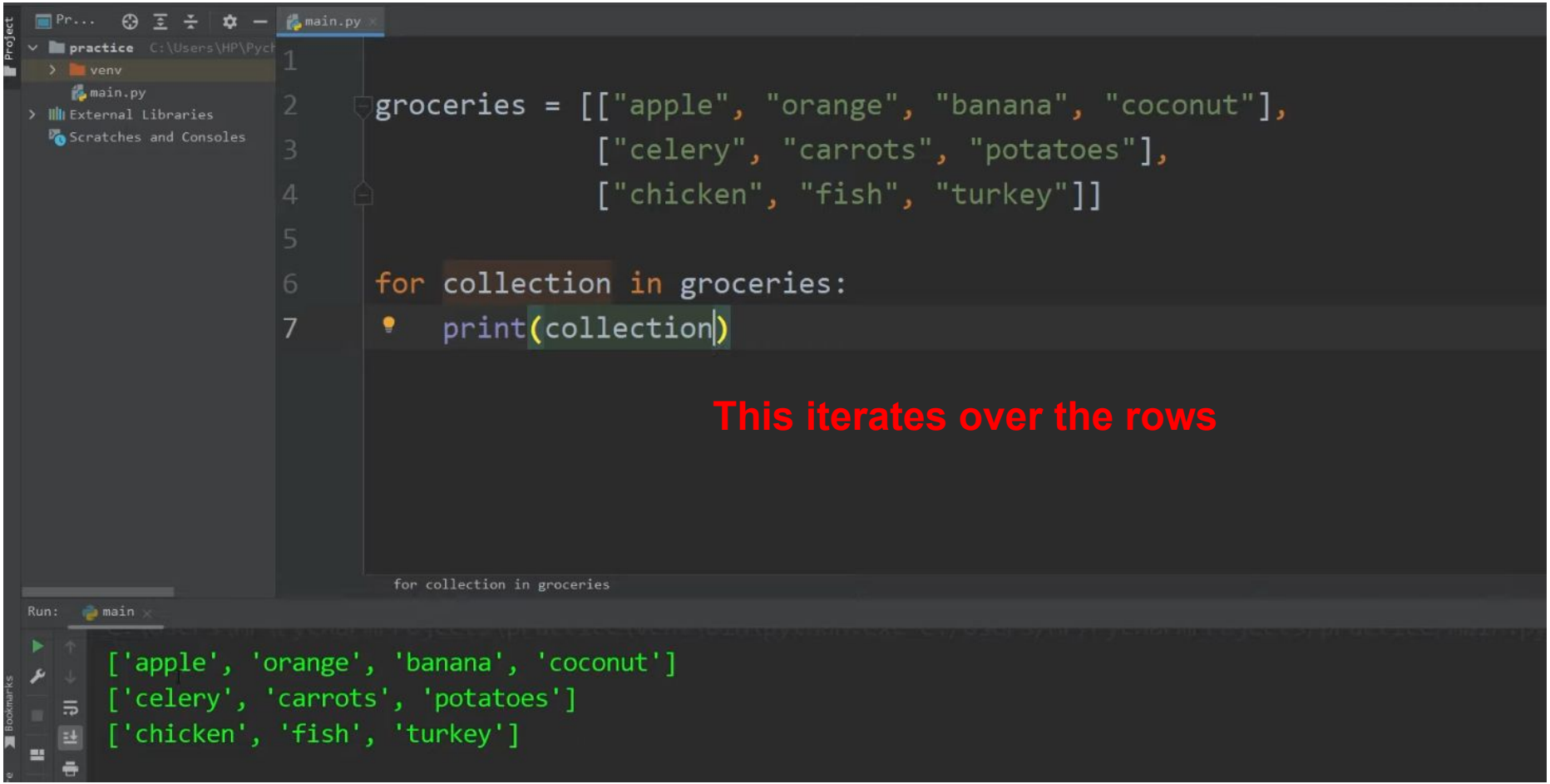

main.py
fruits = ["apple", "orange", "banana", "coconut"]
vegetables = ["celery", "carrots", "potatoes"]
meats = ["chicken", "fish", "turkey"]
groceries = [fruits, vegetables, meats]
print(groceries[1][1])

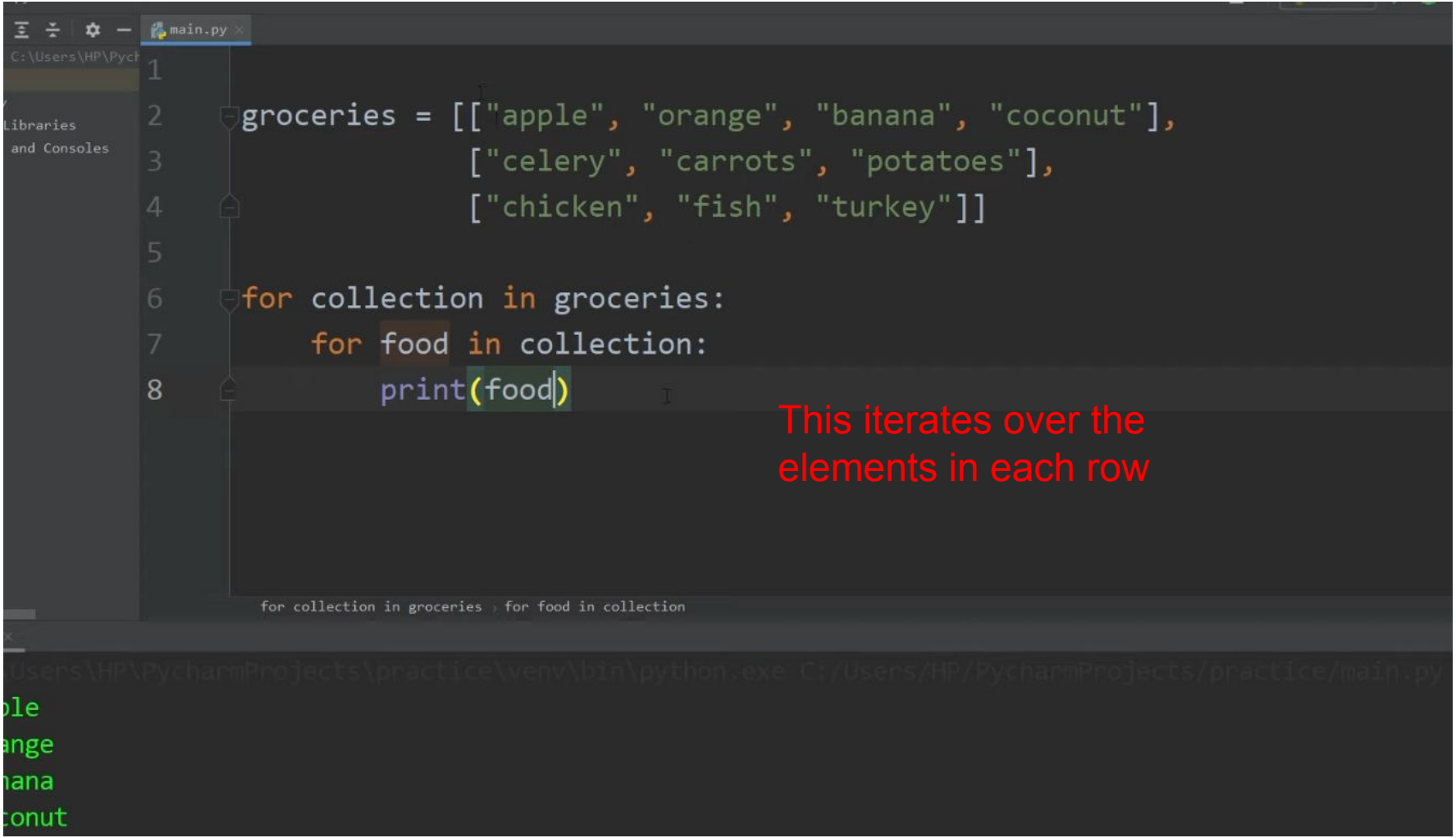

main.py
fruits = ["apple", "orange", "banana", "coconut"]
vegetables = ["celery", "carrots", "potatoes"]
meats = ["chicken", "fish", "turkey"]
groceries = [fruits, vegetables, meats]
print(groceries[2][3])

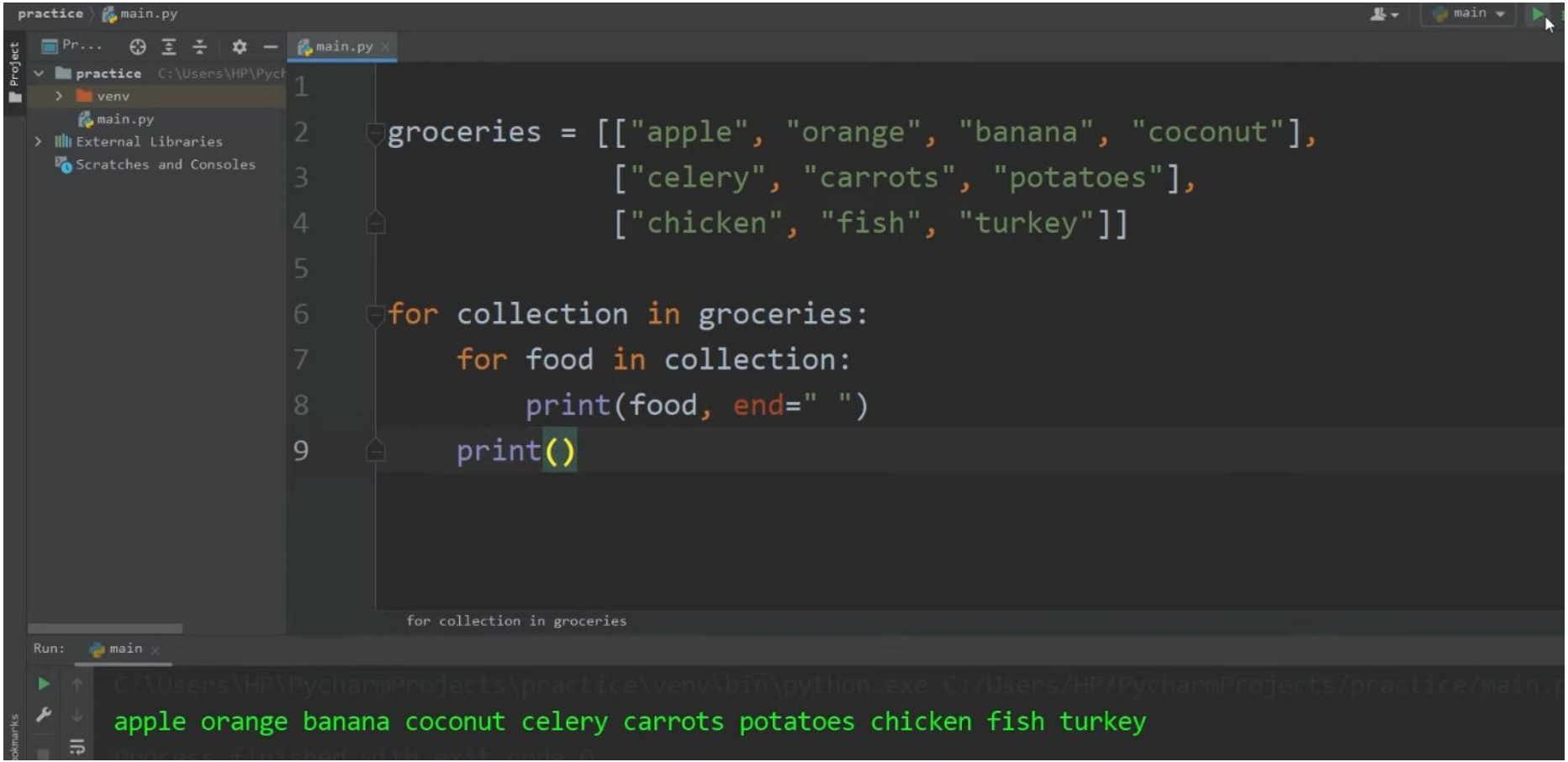
```
1
2  fruits = ["apple", "orange", "banana", "coconut"]
3  vegetables = ["celery", "carrots", "potatoes"]
4  meats = ["chicken", "fish", "turkey"]
5
6  groceries = [fruits, vegetables, meats]
7
8  print(groceries[2][1])
```

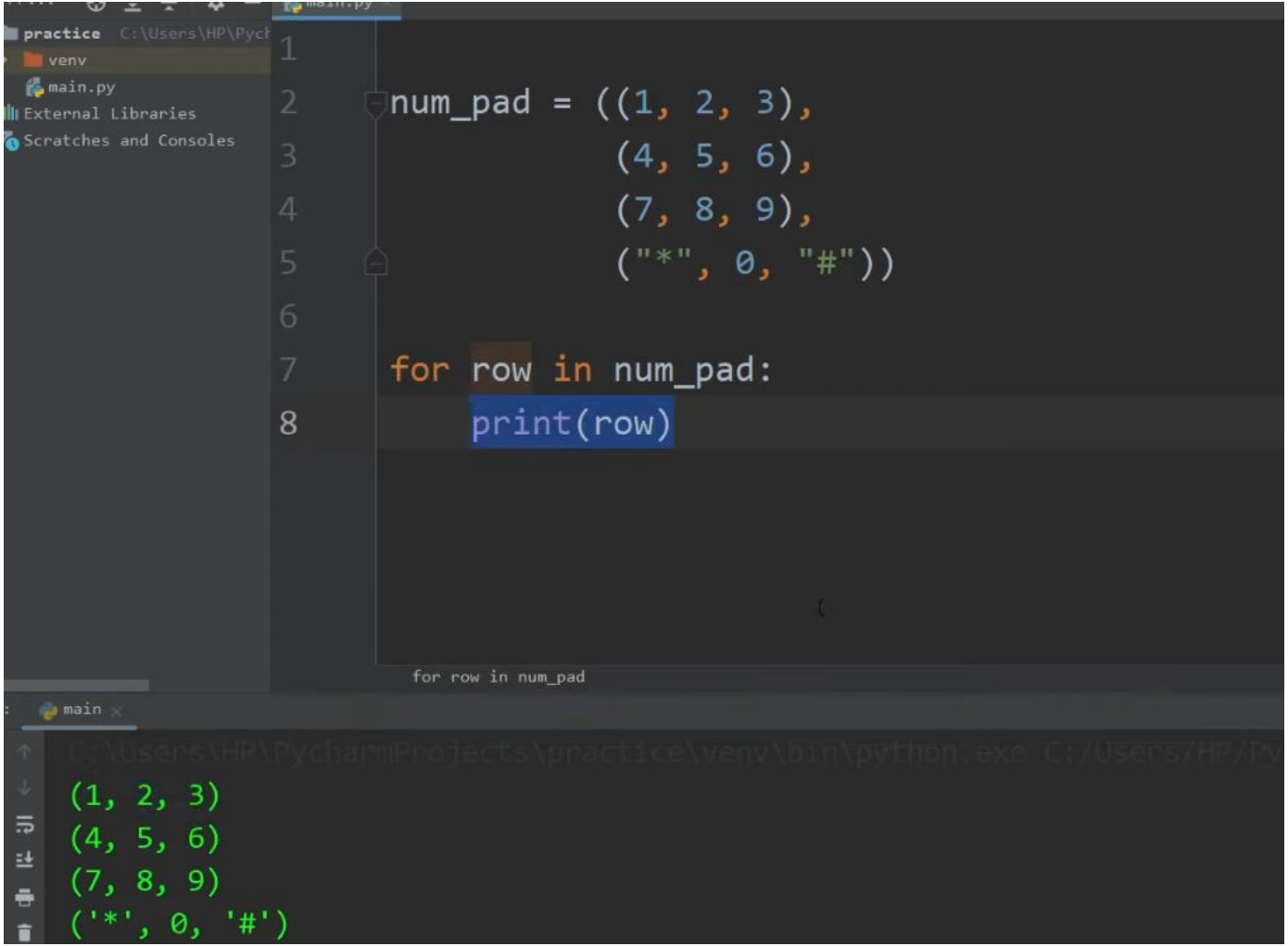
```
1
2  fruits = ["apple", "orange", "banana", "coconut"]
3  vegetables = ["celery", "carrots", "potatoes"]
4  meats = ["chicken", "fish", "turkey"]
5
6  groceries = [fruits, vegetables, meats]
7
8  print(groceries[0][0])
```

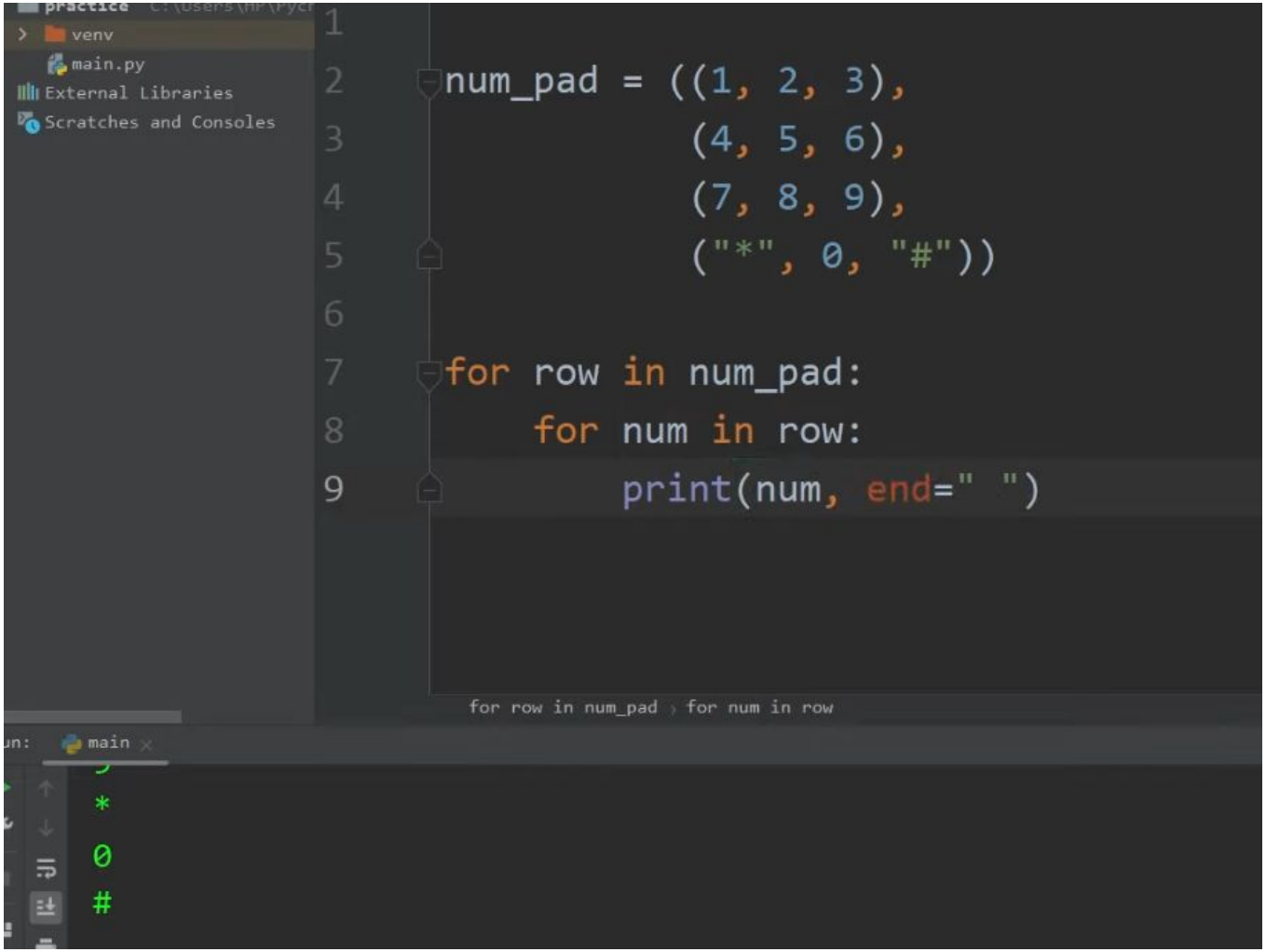
```
1
2  groceries = [["apple", "orange", "banana", "coconut"],
3               ["celery", "carrots", "potatoes"],
4               ["chicken", "fish", "turkey"]]
5
6  print(groceries[0][0])
```

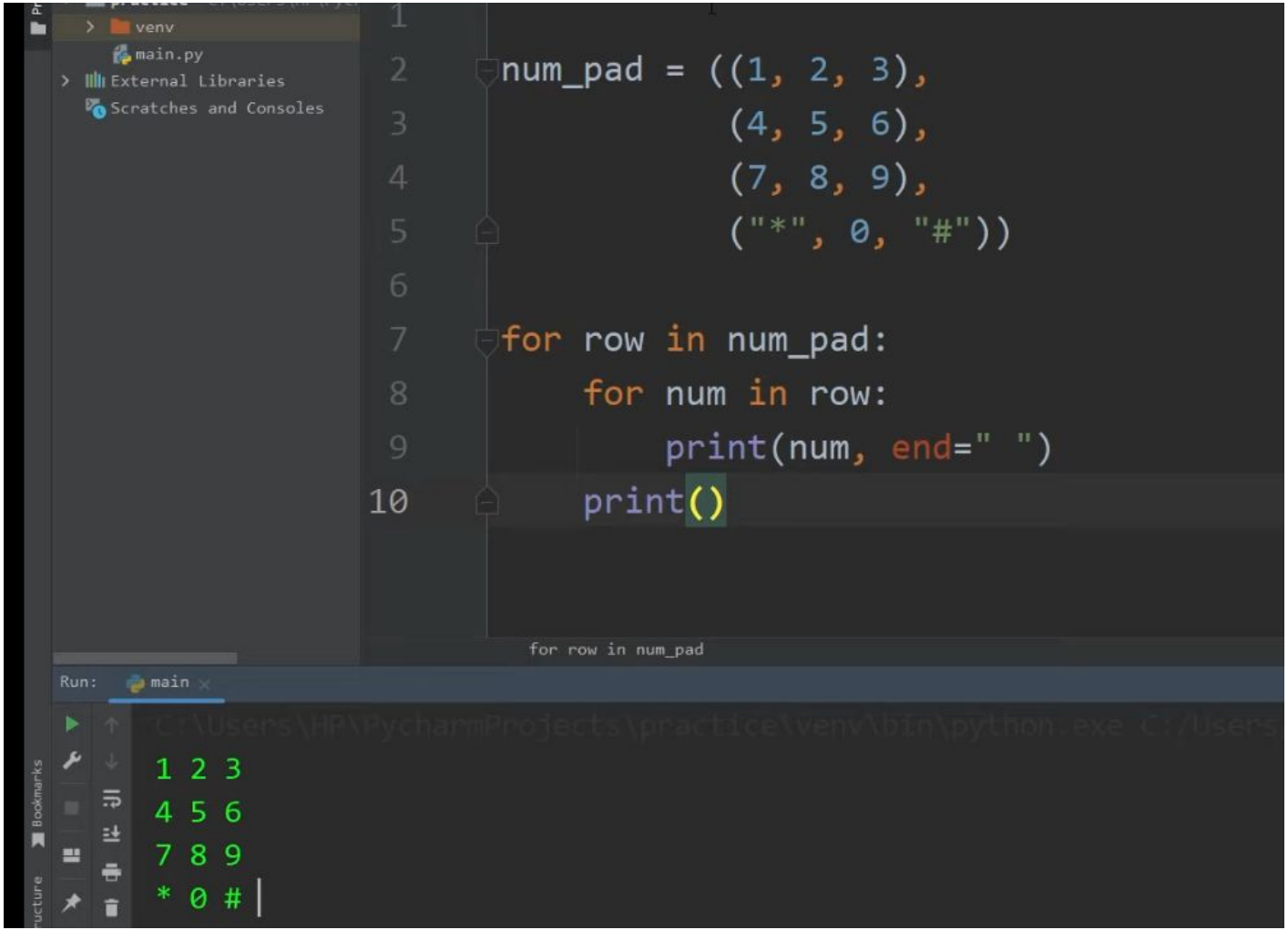

Project
Pr...
practice C:\Users\HP\Pych
venv
main.py
External Libraries
Scratches and Consoles
main.py
1
2 groceries = [["apple", "orange", "banana", "coconut"],
3 ["celery", "carrots", "potatoes"],
4 ["chicken", "fish", "turkey"]]
5
6 for collection in groceries:
7 print(collection)
This iterates over the rows
for collection in groceries
Run: main
['apple', 'orange', 'banana', 'coconut']
['celery', 'carrots', 'potatoes']
['chicken', 'fish', 'turkey']
Bookmarks


main.py
C:\Users\HP\Pych
Libraries
and Consoles
1
2 groceries = [["apple", "orange", "banana", "coconut"],
3 ["celery", "carrots", "potatoes"],
4 ["chicken", "fish", "turkey"]]
5
6 for collection in groceries:
7 for food in collection:
8 print(food)
This iterates over the elements in each row
for collection in groceries › for food in collection
Users\HP\PycharmProjects\practice\venv\bin\python.exe C:/Users/HP/PycharmProjects/practice/main.py
ple
ange
nana
conut


practice
main.py
main
Project
practice C:\Users\HP\Pycr
venv
main.py
External Libraries
Scratches and Consoles
main.py
groceries = [["apple", "orange", "banana", "coconut"],
["celery", "carrots", "potatoes"],
["chicken", "fish", "turkey"]]
for collection in groceries:
for food in collection:
print(food, end=" ")
print()
for collection in groceries
Run:
main
C:\Users\HP\PycharmProjects\practice\venv\bin\python.exe C:/Users/HP/PycharmProjects/practice/main.p
apple orange banana coconut celery carrots potatoes chicken fish turkey


practice C:\Users\HP\Pych
venv
main.py
External Libraries
Scratches and Consoles
main.py
1
2 num_pad = ((1, 2, 3),
3 (4, 5, 6),
4 (7, 8, 9),
5 ("*", 0, "#"))
6
7 for row in num_pad:
8 print(row)
for row in num_pad
main
C:\Users\HP\PycharmProjects\practice\venv\bin\python.exe C:/Users/HP/Py
(1, 2, 3)
(4, 5, 6)
(7, 8, 9)
('*', 0, '#')


practice
venv
main.py
External Libraries
Scratches and Consoles
num_pad = ((1, 2, 3),
(4, 5, 6),
(7, 8, 9),
("*", 0, "#"))
for row in num_pad:
for num in row:
print(num, end=" ")
for row in num_pad › for num in row
main
*
0
#


venv
main.py
External Libraries
Scratches and Consoles
num_pad = ((1, 2, 3),
(4, 5, 6),
(7, 8, 9),
("*", 0, "#"))
for row in num_pad:
for num in row:
print(num, end=" ")
print()
for row in num_pad
Run:
main
C:\Users\HP\PycharmProjects\practice\venv\bin\python.exe C:/Users
1 2 3
4 5 6
7 8 9
* 0 #