





The screenshot shows the PyCharm IDE interface. The top toolbar includes menus like File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, and Help. The left sidebar displays the Project view with a tree structure for 'pythonProjectlab2' and 'External Libraries'. The main editor window shows the code for '3.1.py':

```
1 numbers = input("Введіть числа через кому: ")
2 num_list = [int(num.strip()) for num in numbers]
3 num_tuple = tuple(num_list)
4 print("Список:", num_list)
5 print("Кортеж:", num_tuple)
6 print("Сума:", sum(num_list))
7 print("Середнє арифметичне:", sum(num_list) / len(num_list))
```

The bottom Run console shows the output of the script:

```
C:\Users\21482\OneDrive\Desktop\Python\pythonProjectlab2\Scripts\python.exe C:\Users\21482\PycharmProjects\pythonProjectlab2\3.1.py
Введіть числа через кому: 1,4,5,7,5,6,77,9,45
Список: [1, 4, 5, 7, 5, 6, 77, 9, 45]
Кортеж: (1, 4, 5, 7, 5, 6, 77, 9, 45)
Сума: 159
Середнє арифметичне: 17.666666666666668
Process finished with exit code 0
```

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```
1 n = int(input("Введіть n: "))
2 squares = [i**2 for i in range(1, n+1)]
3 print(squares)
```

The bottom Run console shows the output of the script:

```
C:\Users\21482\OneDrive\Desktop\Python\pythonProjectlab2\Scripts\python.exe C:\Users\21482\PycharmProjects\pythonProjectlab2\3.2.py
Введіть n: 5
[1, 4, 9, 16, 25]
Process finished with exit code 0
```



