

Project

- PythonProject3 C:\Users\adity\PycharmProjects\PythonProject3
  - .venv library root
    - main.py
    - output.txt.py
  - External Libraries
  - Scratches and Consoles

```
main.py
1 from functools import reduce
2 from itertools import combinations
3 nums=[1,2,3,4,5]
4 squared=list(map(lambda x:x**2,nums))
5 evens=list(filter(lambda x:x%2==0,nums))
6 product =reduce(lambda x,y:x*y,nums)
7 combinations=list(combinations(nums,r: 2))
8 print("Squared =",squared)
9 print("Evens =",evens)
10 print("Product =",product)
```

Run main

```
C:\Users\adity\PycharmProjects\PythonProject3\.venv\Scripts\python.exe C:\Users\adity\PycharmProjects\PythonProject3\main.py
Squared = [1, 4, 9, 16, 25]
Evens = [2, 4]
Product = 120
Process finished with exit code 0
```