

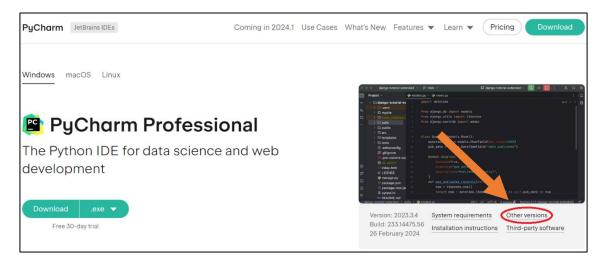
You need a Python interpreter, such as PyCharm or Spyder.

How to install PyCharm

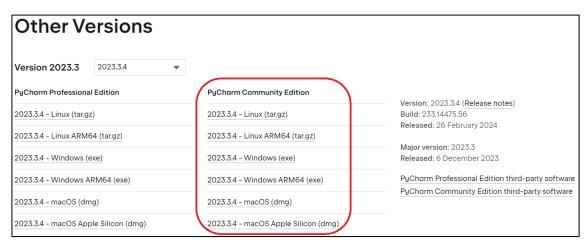
Go to the following website:

https://www.jetbrains.com/pycharm/download/?section=windows

Click Other versions

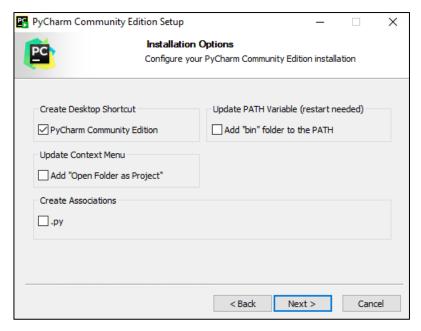


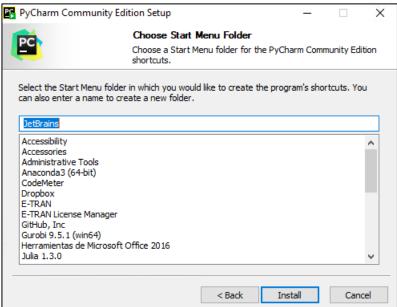
Select the latest version of PyCharm Community Edition that suits your PC



Open the downloaded executable and proceed with the installation. You can create a desktop shortcut to make it easier to access later.

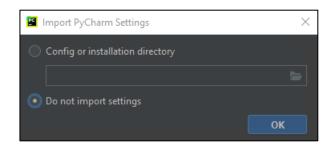






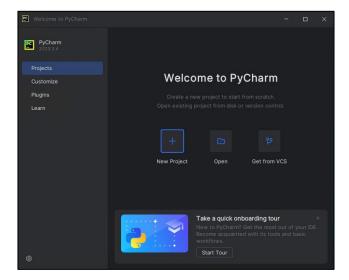
Initialization of the program

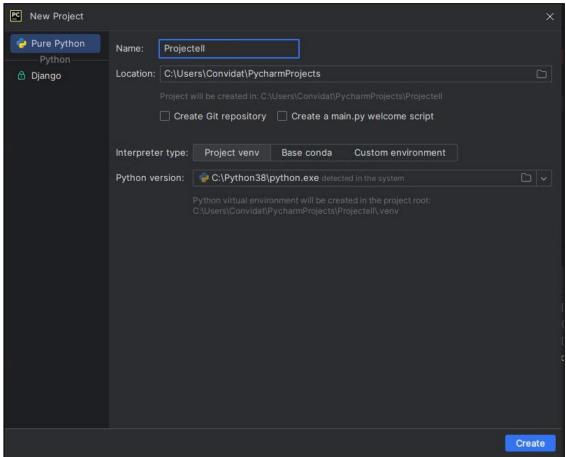
Open PyCharm





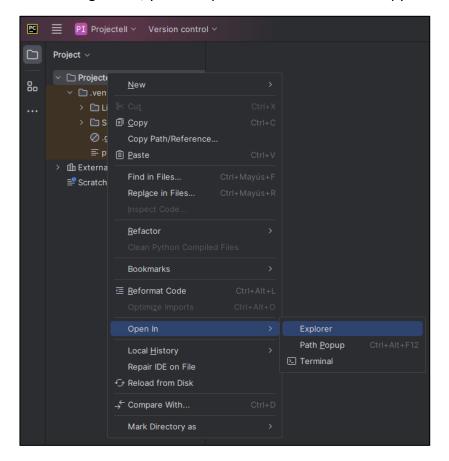
Create a new project



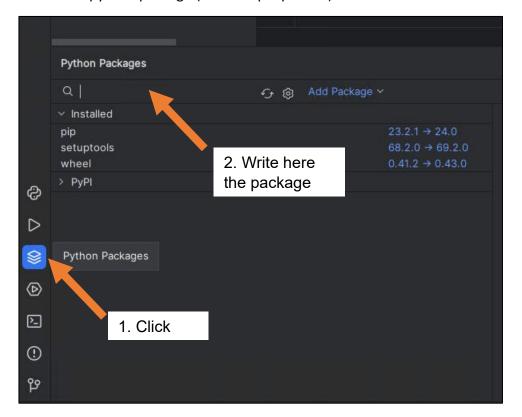




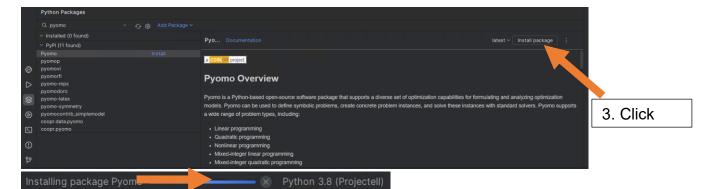
With the right click, you can open the folder in which the python scripts will be



To install a python package (for example pandas):







How to use

You can execute a script by clicking the green button, or by right click and then click on Run File in Python Console.

```
import pyomo.environ as pyo
                                                  Show Context Actions
from pre_process import get_inputs
                                                  <u>Paste</u>
from optimization_model import optimization
                                                     Copy / Paste Special
from post_process import post_processing
                                                    \underline{R}efactor
                                                     Go To
    excel_inputs = 'Data.xlsx'
    AllInputs = get_inputs(excel_inputs)
                                                  Run 'main'
                                                  🇯 <u>D</u>ebug 'main'
                                                    Modify Run Configuration...
    instance = optimization(AllInputs)
    opt = pyo.SolverFactory('highs')
                                                    Local History
    results = opt.solve(instance)
                                                  Run File in Python Console
    termination_condition = str(results['So
    if termination_condition == 'optimal':
                                                  Create Gist...
    excel_results = 'Results.xlsx'
    post_processing(AllInputs, instance, excel_results)
```