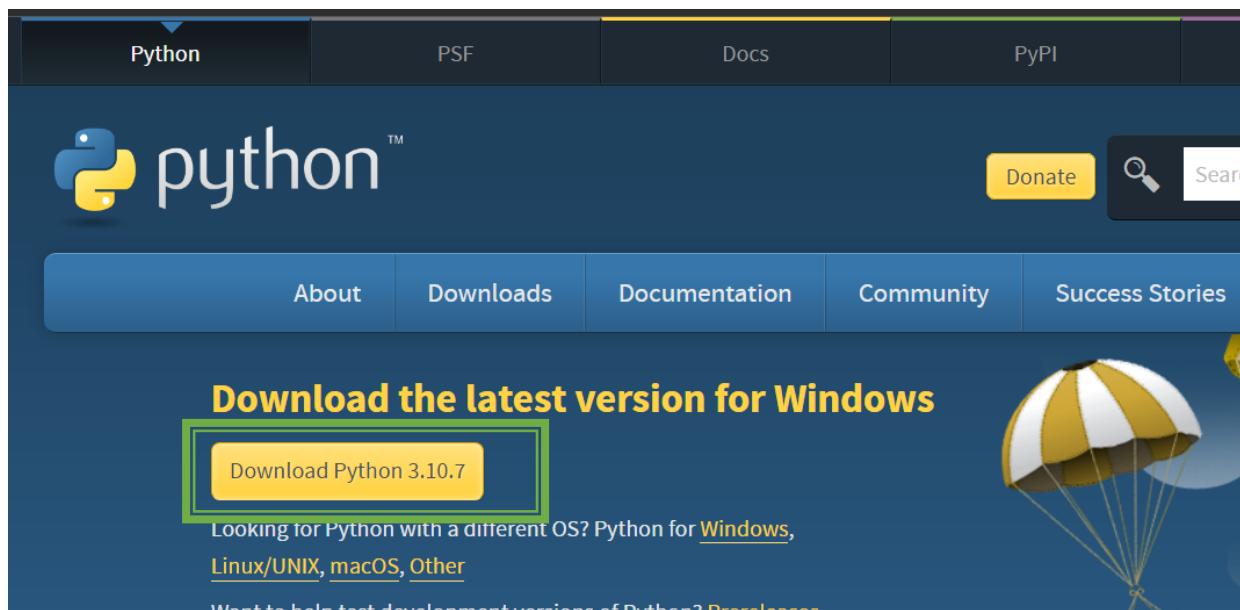


## Instalare Python

Download link: <https://www.python.org/downloads/>

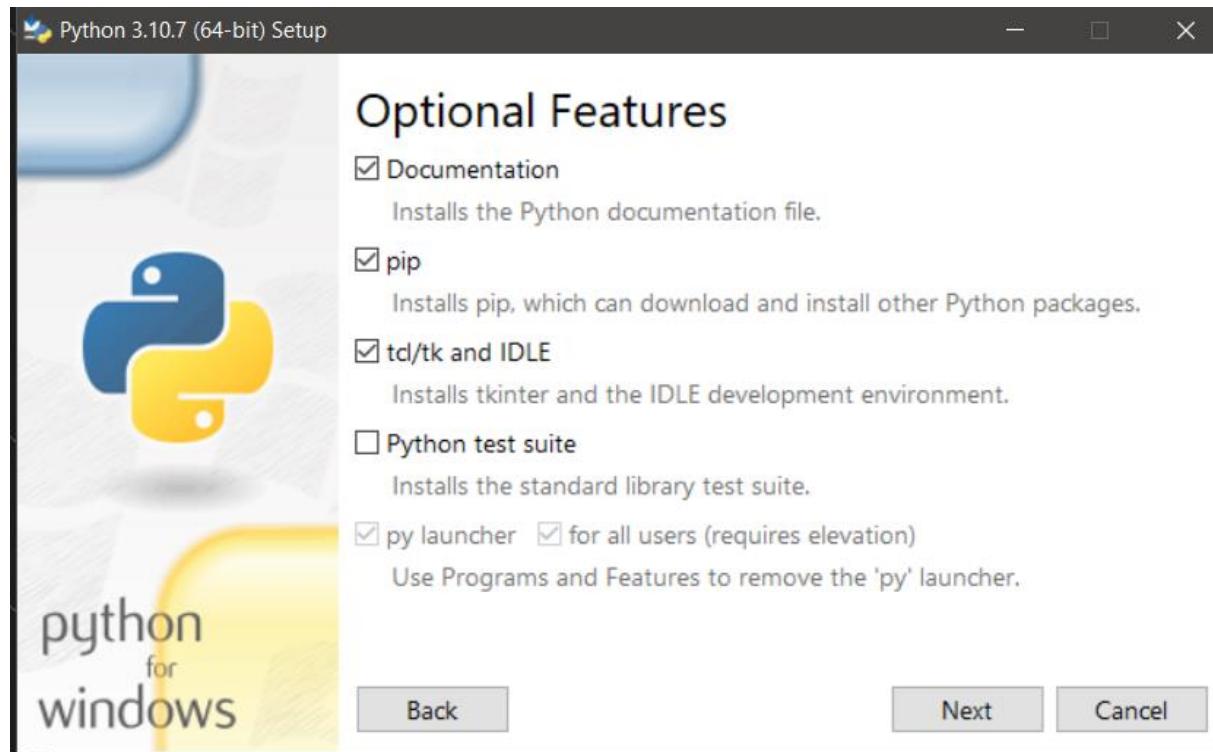
1. Descarcati Python de la link-ul de mai sus.



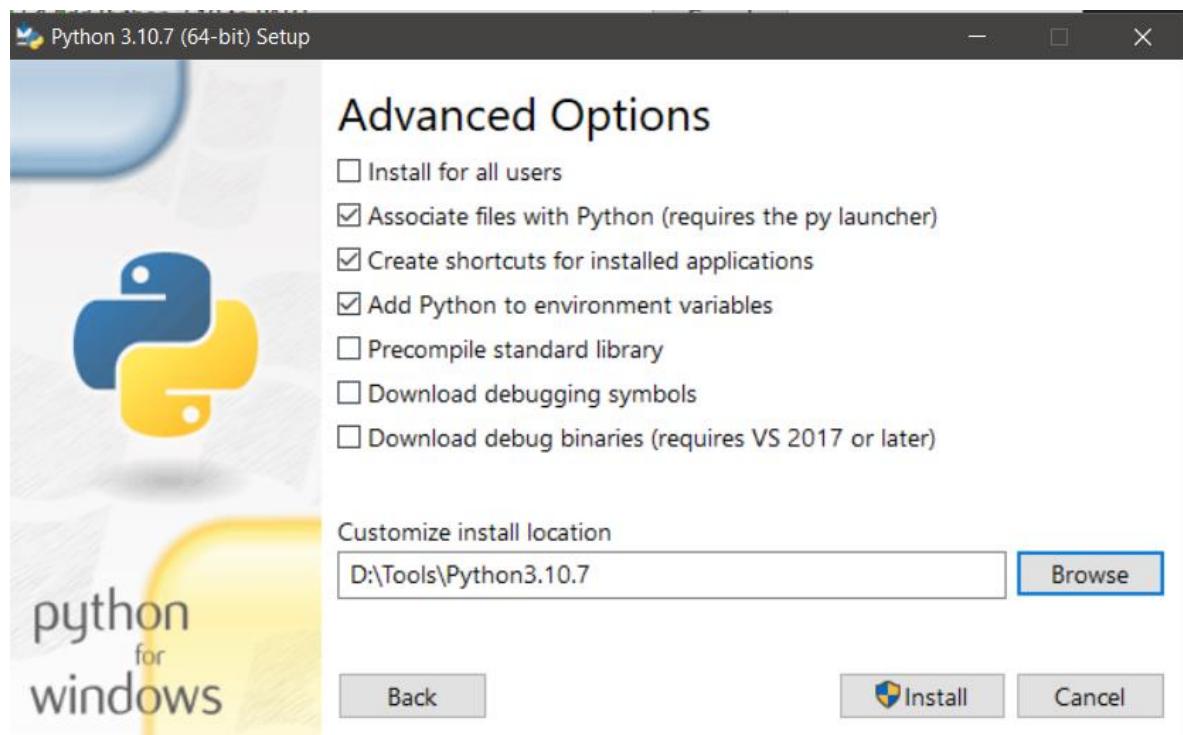
2. Dupa ce executabilul s-a descarcat, porniti instalarea prin dublu-click pe executabil. Bifati 'Add Python 3.10 to PATH', apoi apasati 'Customize installation'.



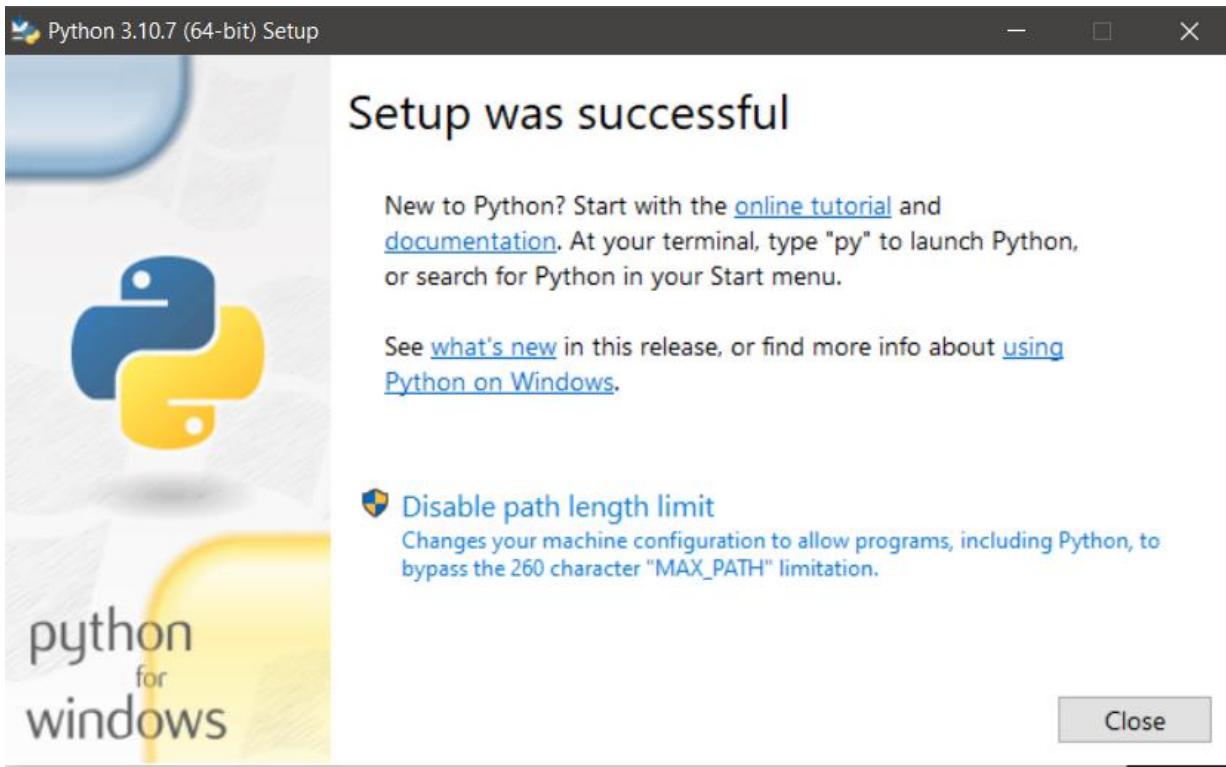
3. Debifati 'Python test suite', apoi apasati pe butonul 'Next'.



4. Pastrati selectiile implice si adaugati calea spre folderul in care va doriti sa fie instalat Python (Customize install location).



5. Python s-a instalat cu success.



6. In folderul specificat la pasul 4 veti gasi executabilul de Python, pentru IDLE puteti cauta 'Python IDLE' direct in bara de cautare windows sau in 'AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Python 3.10'.

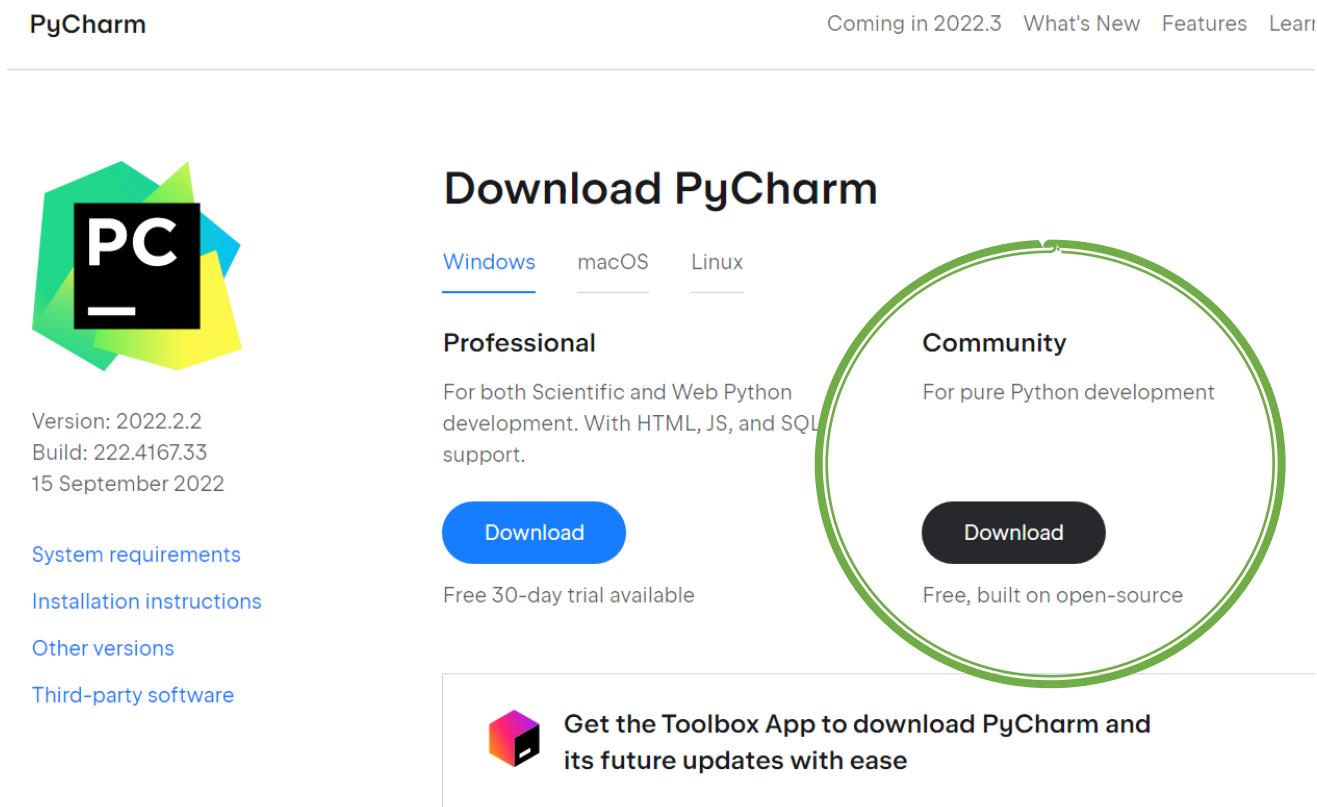
A screenshot of a terminal window titled "Select Python 3.10 (64-bit)". The window shows the Python 3.10.7 command-line interface with the following text:

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep  5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print("hello")
hello
>>>
```

## Instalare PyCharm

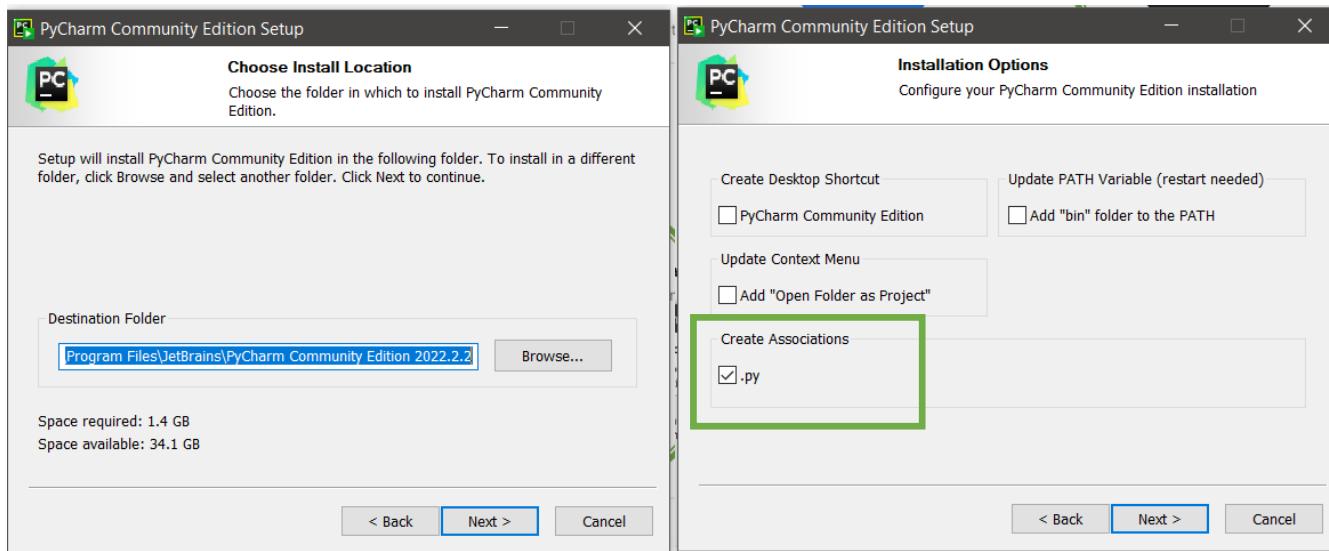
Download Link: <https://www.jetbrains.com/pycharm/download/#section=windows>

1. Descarcati 'PyCharm Community'.



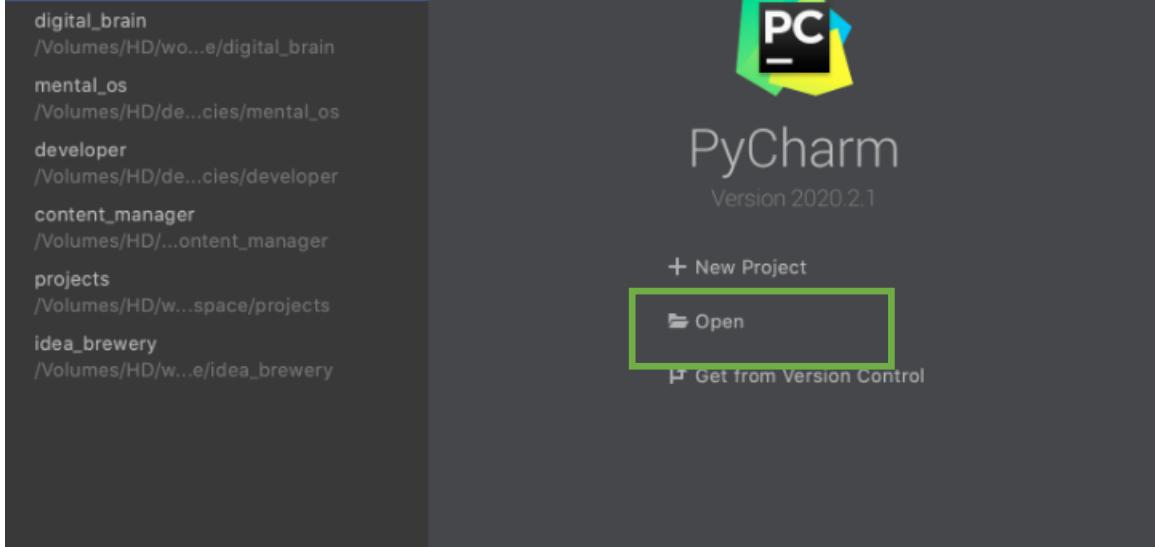
The screenshot shows the PyCharm download page. On the left, there's a large green hexagonal icon with a black 'PC' logo. Below it, the text 'Version: 2022.2.2', 'Build: 222.4167.33', and '15 September 2022'. To the right, the heading 'Download PyCharm' is centered above two download options: 'Professional' (Windows, macOS, Linux) and 'Community' (Windows, macOS, Linux). The 'Community' option is circled in green. Below each option is a 'Download' button. A note says 'Free 30-day trial available'. At the bottom, there's a callout for the 'Toolbox App'.

2. Urmati pasii de instalare cu setarile implice. In fereastra de 'Install Options' bifati 'Create Associations .py'.

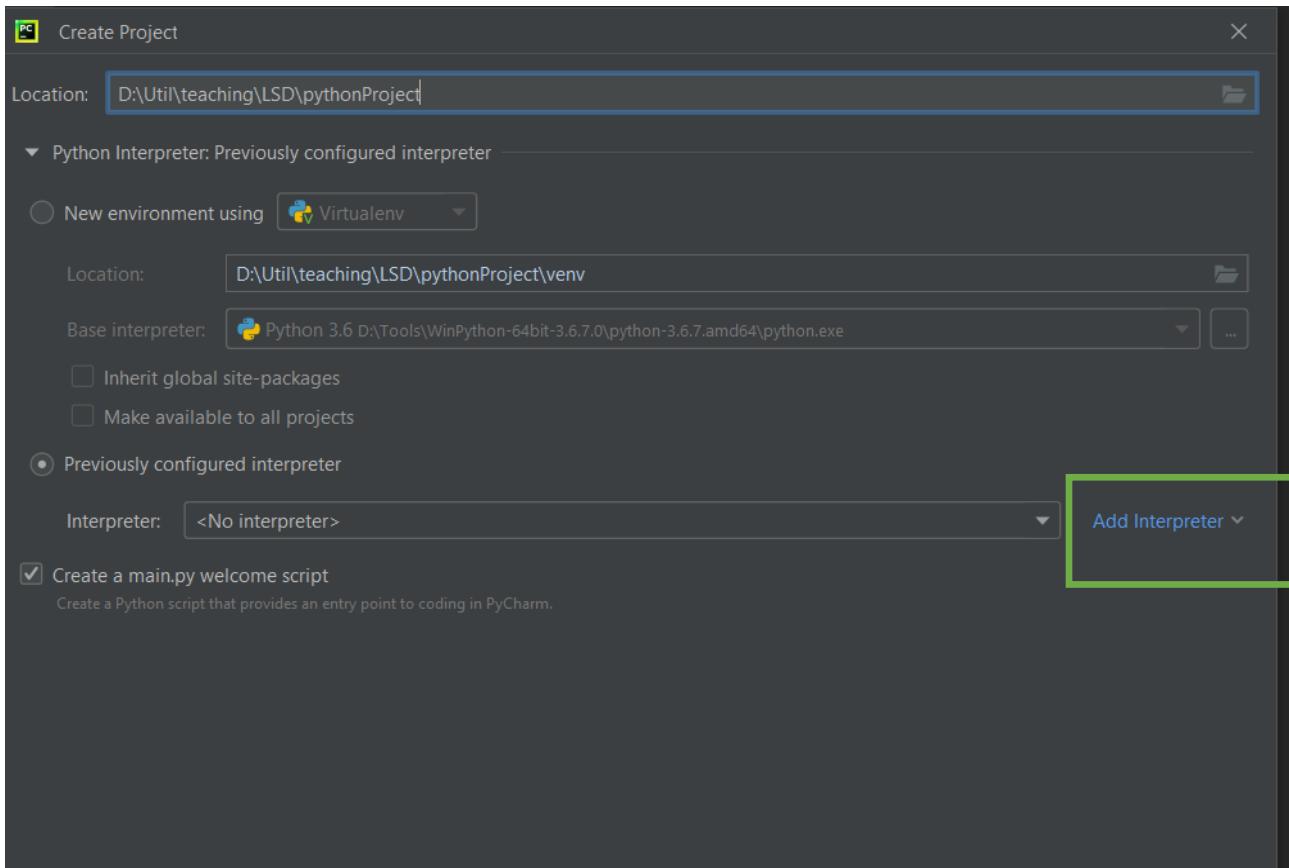


The screenshot shows two windows of the PyCharm Community Edition Setup. The left window is 'Choose Install Location', showing the destination folder as 'Program Files\JetBrains\PyCharm Community Edition 2022.2.2'. The right window is 'Installation Options', where the 'Create Associations' checkbox for '.py' is checked and highlighted with a green border. Both windows have standard 'Next >', 'Cancel', and 'Back' buttons at the bottom.

3. Deschideti PyCharm si creati un nou proiect python (meniul File -> New Project) sau direct din fereastra principală (daca nu aveti deja un alt proiect incarcat)

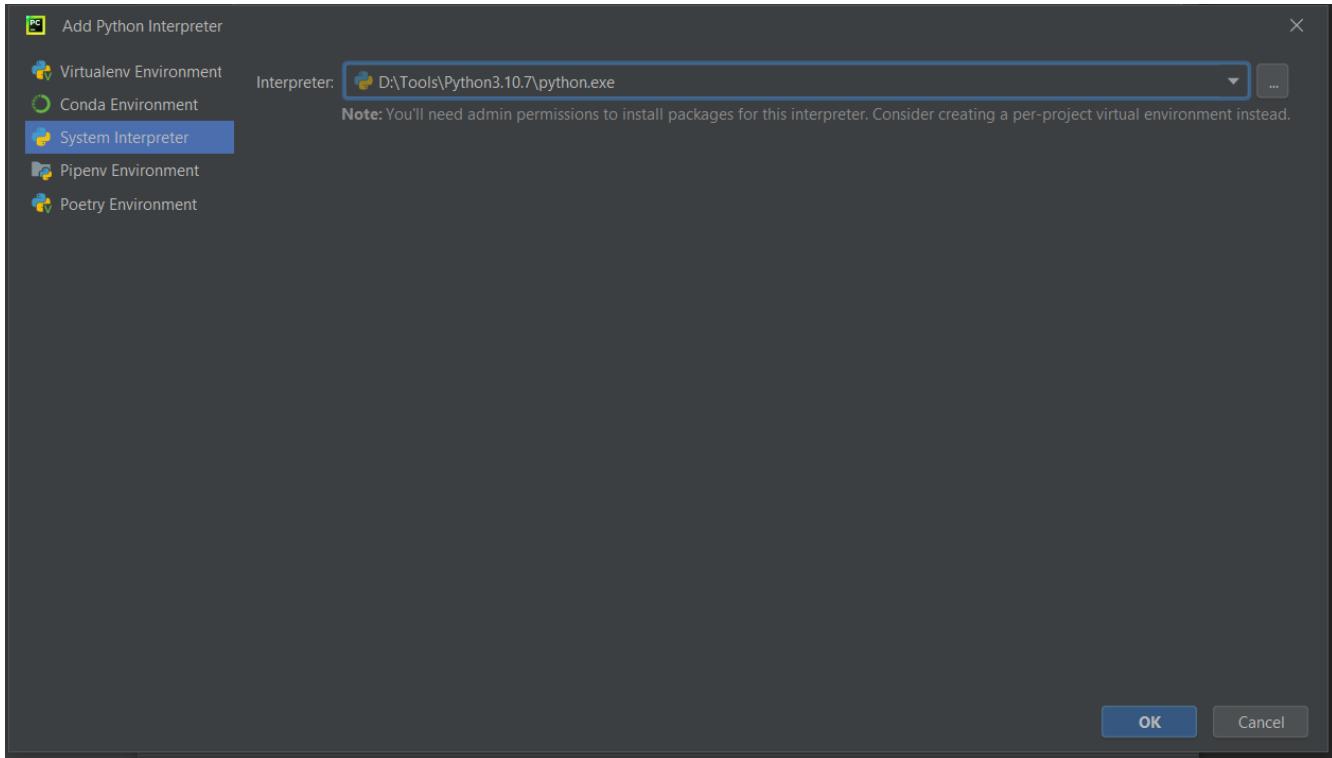


4. Verificati daca locatia proiectului este cea dorita de voi, apoi apasati pe optiunea ‘Add Interpreter’-> ‘Add local interpreter’.

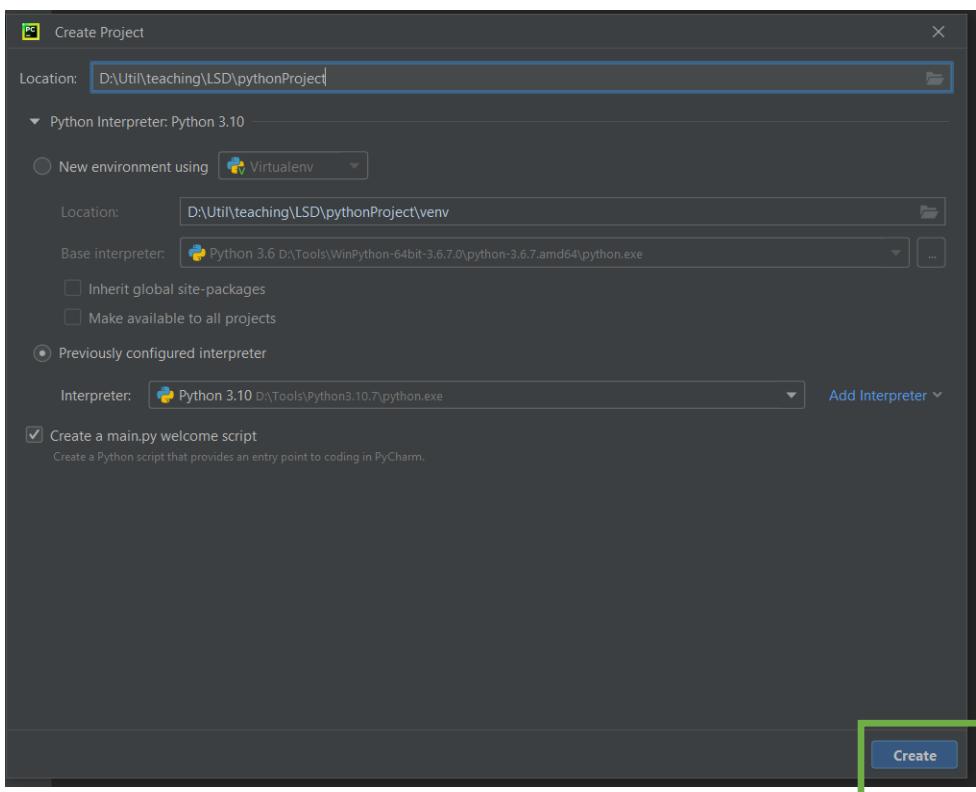


5. In noua fereastra selectati optiunea de ‘System Interpreter’, apoi adaugati calea spre executabilul de Python si apasati butonul ‘Ok’.

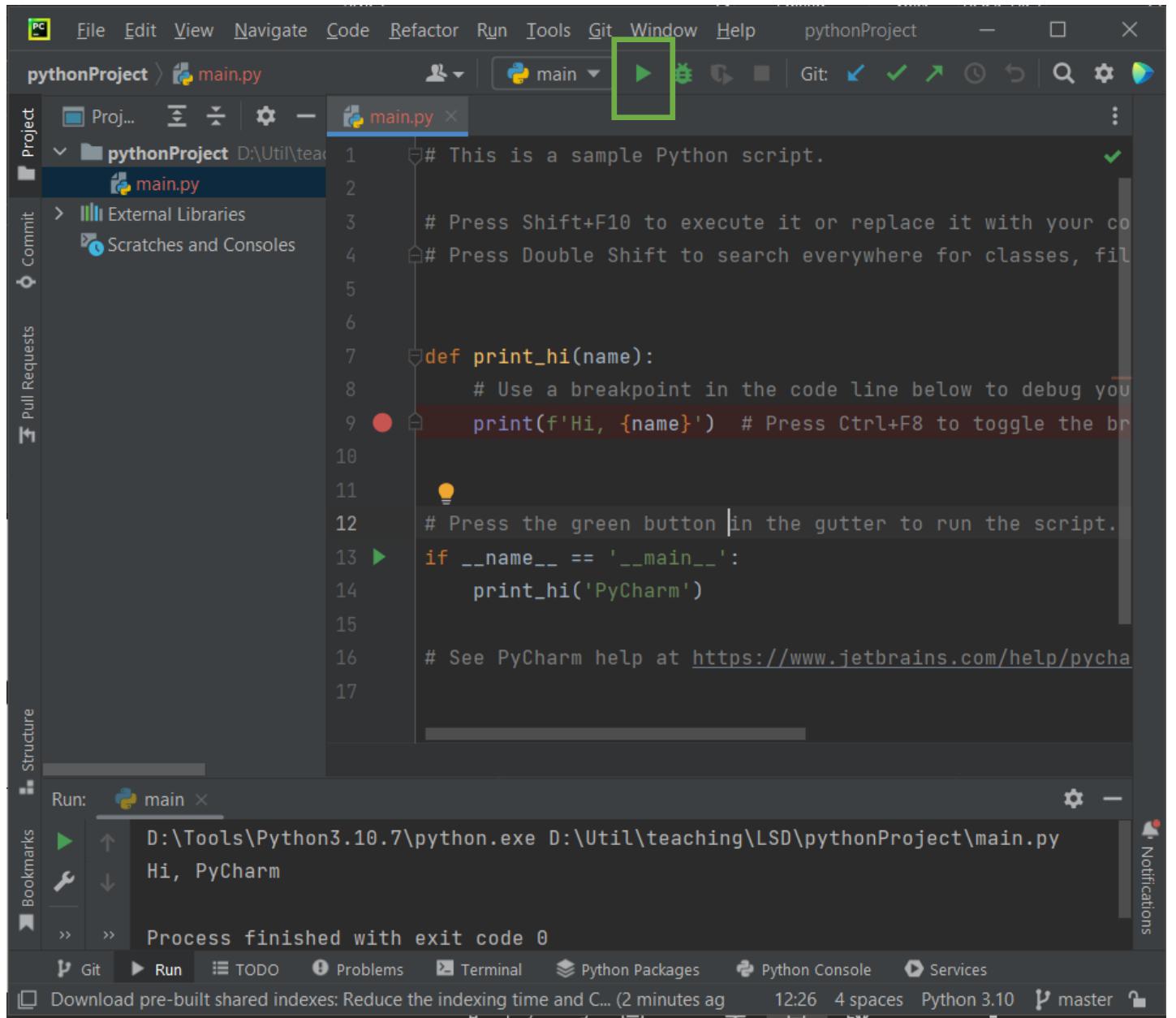
Executabilul se afla in folderul pe care l-ati ales cand ati instalat Python (vedeti pasul 4 de la instalarea Python).



Apoi apasati butonul ‘Create’



6. Odata cu un nou proiect, se va crea si un fisier initial .py numit: main.py. Pentru a executa scriptul python, apasati pe butonul 'Run'.



```
# This is a sample Python script.

# Press Shift+F10 to execute it or replace it with your code.
# Press Double Shift to search everywhere for classes, files, tool windows, etc.

def print_hi(name):
    # Use a breakpoint in the code line below to debug your script.
    print(f'Hi, {name}')  # Press Ctrl+F8 to toggle the breakpoint.

if __name__ == '__main__':
    print_hi('PyCharm')

# See PyCharm help at https://www.jetbrains.com/help/pycharm/
```

Run: main

D:\Tools\Python3.10.7\python.exe D:\Util\teaching\LSD\pythonProject\main.py

Hi, PyCharm

Process finished with exit code 0