
WEB SISTEMAK

2021/2022 IKASTURTEA

Garapen software-aren instalazioa

2022-01-28 M



Web Sistemak by [Oskar Casquero](#) & [María Luz Álvarez](#) is licensed under a [Creative Commons Reconocimiento 4.0 Internacional License](#).

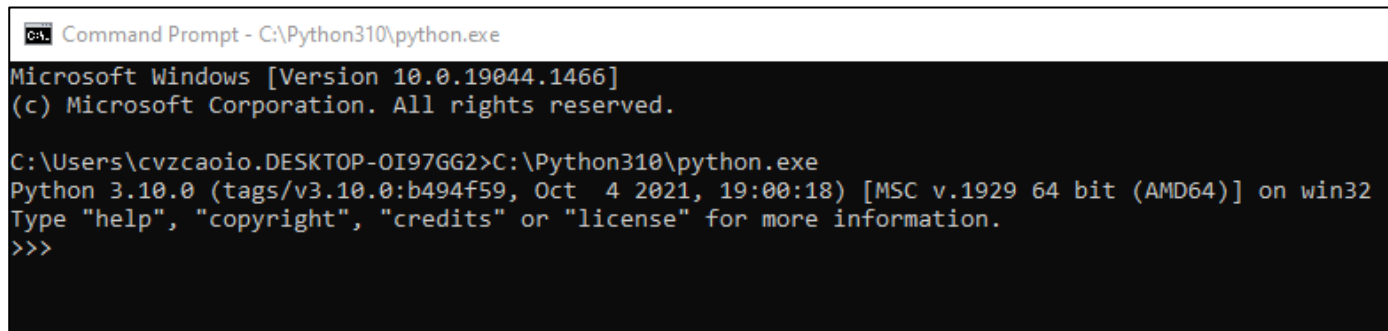
INSTALATU BEHARREKO SOFTWARE-A

- Python **3.10** (Linux edo Mac-en preinstalatuta dator)
<https://www.python.org/downloads/>
- PyCharm Professional Edition IDE for Python
<https://www.jetbrains.com/pycharm/download/>
- Burp Suite (web aplikazioen segurtasuna probatzeko tresna sorta)
<https://portswigger.net/burp/communitydownload>
- Wireshark protokolo aztertzailea
<https://www.wireshark.org/download.html>
- GeckoDriver
<https://github.com/mozilla/geckodriver/releases>
- View Source Chart
<http://viewsourcechart.com/getthebookmarklet.html>

Windows-entzako programak hemen bilduta daude:
<https://ehubox.ehu.eus/s/siDpDC77sSSroLT>

PYTHON

- **Windows erabiltzen duzuenok**, **C:\Python310** direktorioan instalatu ezazue.
- Python instalazioaren egiaztapena **(guztiek)**
 - Windows: Terminal batean ondorengo komandoa exekutatu:
C:\Python310\python.exe
 - Mac edo Linux-en, kontsola bat zabaldu eta **python** komandoa exekutatu.
 - Instalazioa ondo burutu bada, Python-en kontsola zabalduko da, bertan interprete interaktiboa azalduko delarik.



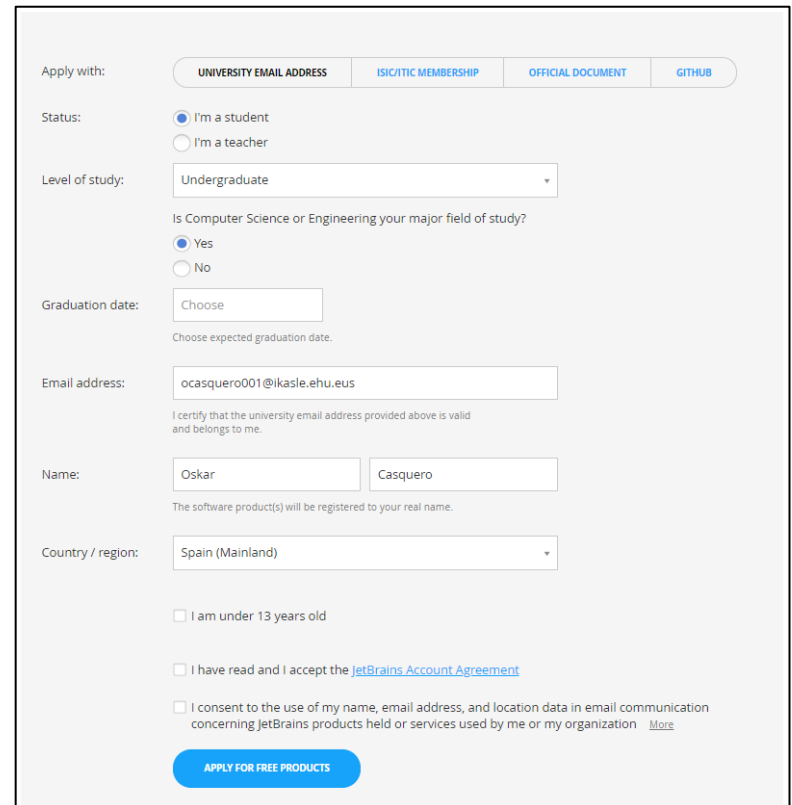
```
Command Prompt - C:\Python310\python.exe
Microsoft Windows [Version 10.0.19044.1466]
(c) Microsoft Corporation. All rights reserved.

C:\Users\cvzcaio.DESKTOP-OI97GG2>C:\Python310\python.exe
Python 3.10.0 (tags/v3.10.0:b494f59, Oct 4 2021, 19:00:18) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

- Irtetzeko Ctrl+Z eta Intro sakatu.

PYCHARM: LIZENTZIAREN LORPENA (1/2)

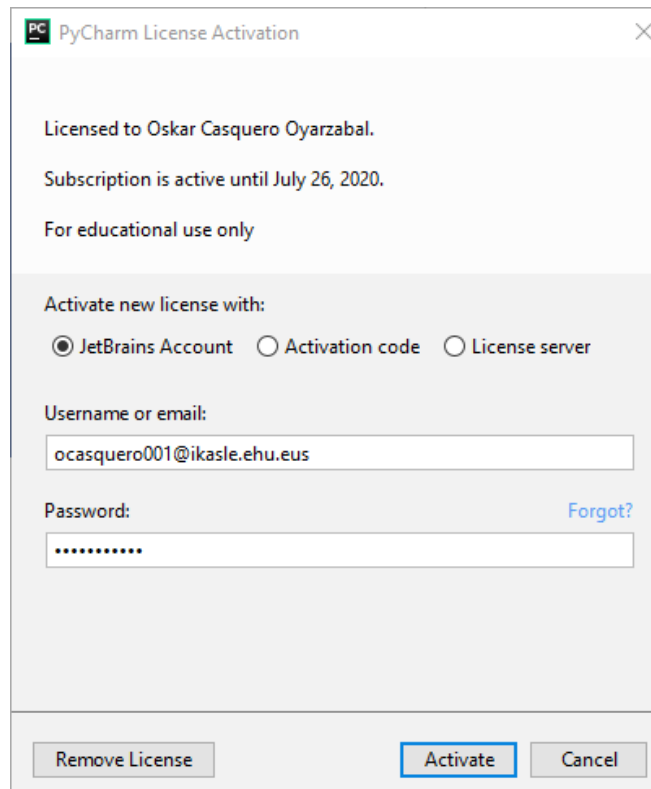
- PyCharm lehenengo aldiz abiarazten duzuenean, lizentzia bat eskatuko dizue.
- **@ikasle.ehu.eus** posta elektronikodun edozein ikaslek PyCharm-entzako hezkuntza lizentzia bat lortu dezake.
- Lizentziaren eskaera egiteko, hurrengo estekan klik egin: <https://www.jetbrains.com/student>.
- Lizentzia eskaera ez da prozesu korapilatsua, **baina berehala jasotzen ez diren** pare bat email mezuren hartzea eta baieztatzea beharrezkoa da; beraz, **pazientzia** beharko duzuela aurreratzen dizuet.



The screenshot shows the 'Apply with:' section of the JetBrains student license application form. It includes tabs for 'UNIVERSITY EMAIL ADDRESS', 'ISIC/ITIC MEMBERSHIP', 'OFFICIAL DOCUMENT', and 'GITHUB'. The 'Apply with:' tab is selected. Below this, the 'Status:' section has two radio buttons: 'I'm a student' (selected) and 'I'm a teacher'. The 'Level of study:' dropdown menu is set to 'Undergraduate'. The 'Is Computer Science or Engineering your major field of study?' section has two radio buttons: 'Yes' (selected) and 'No'. The 'Graduation date:' section has a 'Choose' button and a note 'Choose expected graduation date.'. The 'Email address:' field contains 'ocasquero001@ikasle.ehu.eus'. Below this, there is a certification statement: 'I certify that the university email address provided above is valid and belongs to me.'. The 'Name:' section has two input fields: 'Oskar' and 'Casquero'. Below this, there is a note: 'The software product(s) will be registered to your real name.'. The 'Country / region:' dropdown menu is set to 'Spain (Mainland)'. At the bottom, there are three checkboxes: 'I am under 13 years old' (unchecked), 'I have read and I accept the JetBrains Account Agreement' (unchecked), and 'I consent to the use of my name, email address, and location data in email communication concerning JetBrains products held or services used by me or my organization' (unchecked). A blue button labeled 'APPLY FOR FREE PRODUCTS' is at the bottom right.

PYCHARM: LIZENTZIAREN LORPENA (2/2)

- Lizenzia PyCharmen sartzeko modurik errazena, lizenzia gaitzeko leihoan zuen JetBrains kontuaren kredentzialak (erabiltzaile izena eta pasahitza) sartzea da.



PyCharm License Activation

Licensed to Oskar Casquero Oyarzabal.
Subscription is active until July 26, 2020.
For educational use only

Activate new license with:

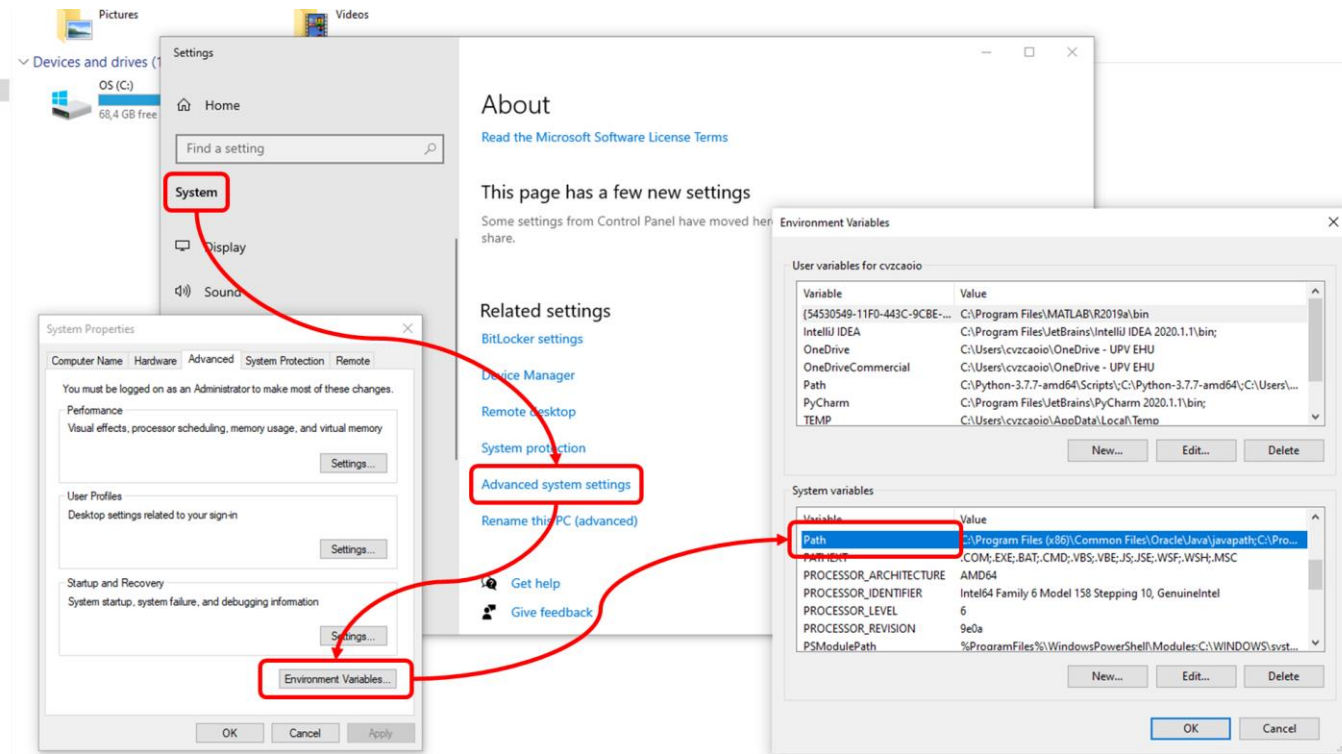
☒ JetBrains Account ☐ Activation code ☐ License server

Username or email:

Password: [Forgot?](#)

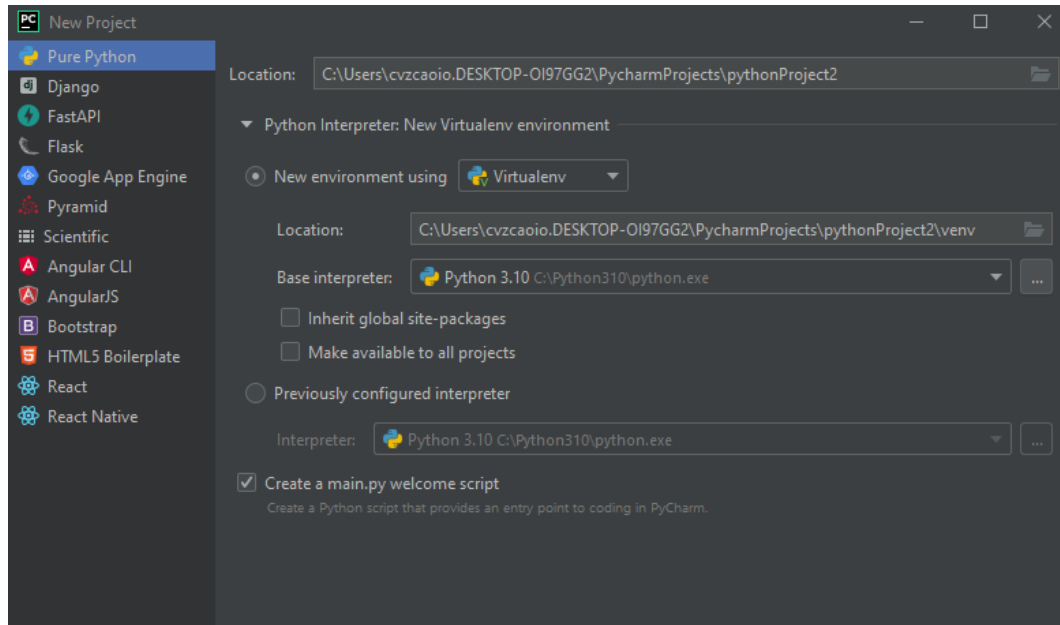
GECKODRIVER: INSTALAZIOA

- Windows erabiltzen duzuenok, **C:\geckodriver** direktorioan instalatu ezazue.
- Direktorio hori PATH ingurune aldagaian sartu:



GECKODRIVER: EGIAZTAPENA

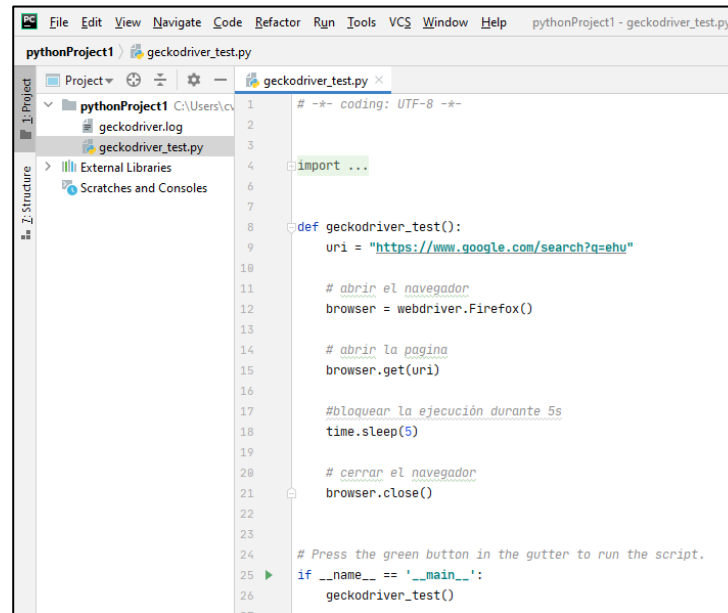
- Instalazioa probatzeko, PyCharm-en “Pure Python” motako proiektu berria zabaldu Python 3.10 interpretea aukeratuz



- Interprete horrentzako “selenium” liburutegia instalatu.
 - Python-en liburutegi bat zelan instalatzen den jakiteko:
<https://egela.ehu.eus/mod/resource/view.php?id=5167455>

GECKODRIVER: EGIAZTAPENA

- geckodriver_test.py proiektuan kargatu.
<https://egela.ehu.eus/mod/resource/view.php?id=5167468>



```
1  # -*- coding: UTF-8 -*-
2
3
4  import ...
5
6
7
8  def geckodriver_test():
9      uri = "https://www.google.com/search?q=ehu"
10
11      # abrir el navegador
12      browser = webdriver.Firefox()
13
14      # abrir la pagina
15      browser.get(uri)
16
17      # bloquear la ejecución durante 5s
18      time.sleep(5)
19
20      # cerrar el navegador
21      browser.close()
22
23
24      # Press the green button in the gutter to run the script.
25      if __name__ == '__main__':
26          geckodriver_test()
```

- geckodriver_test.py egikaratu. Python programa bat zelan egikaratzen den jakiteko:
<https://egela.ehu.eus/mod/resource/view.php?id=516745>
- Zer gertatu behar da programa egikiratzerakoan? Firefox zabaldu, Google-en bilaketa egin, leihoa 5s-z zabalik mantendu eta, azkenik, leihoa itxiko da.