

WEB SISTEMAK

2022/2023 IKASTURTEA

Garapen software-aren instalazioa

2023-01-27 M



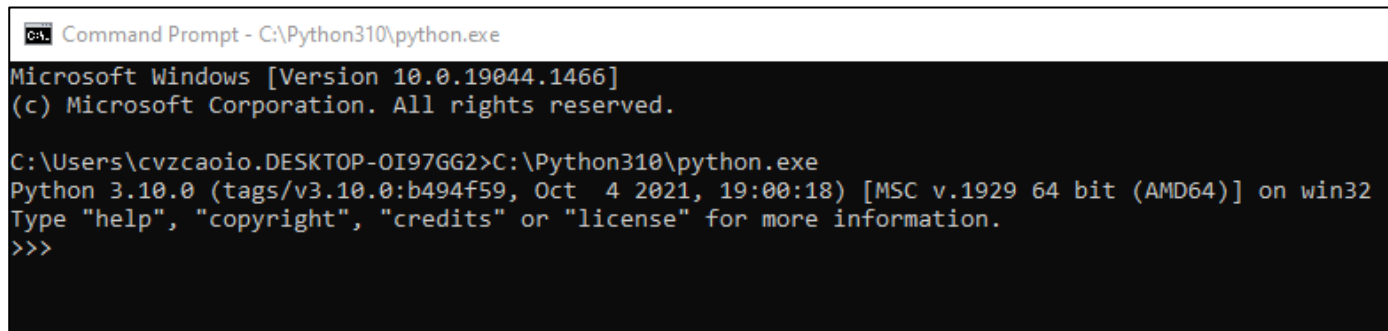
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INSTALATU BEHARREKO SOFTWARE-A

- Firefox eguneratuta
- 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>

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.



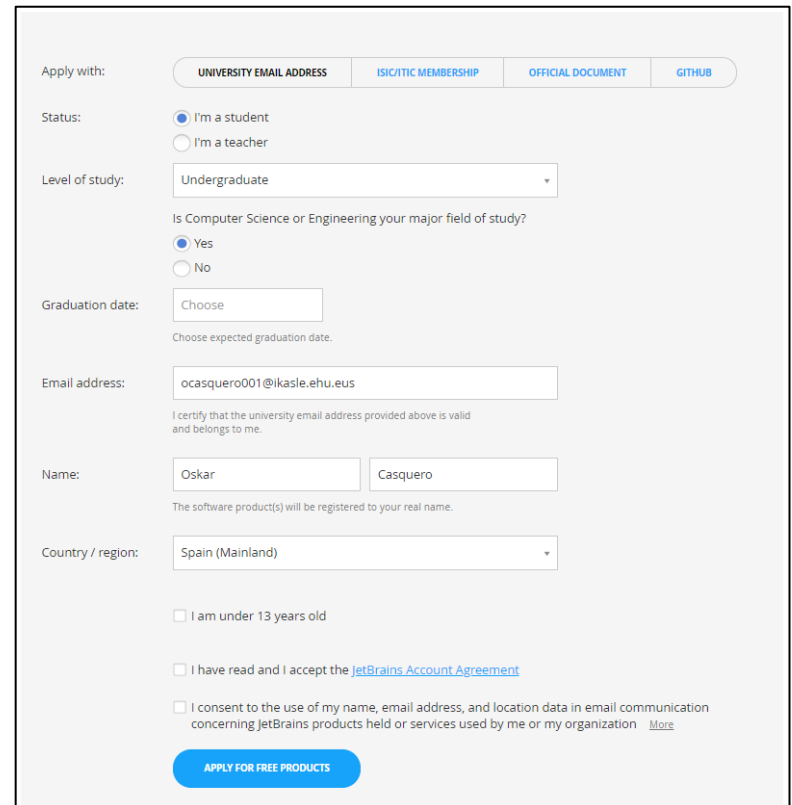
```
Command Prompt - C:\Python310\python.exe
Microsoft Windows [Version 10.0.19044.1466]
(c) Microsoft Corporation. All rights reserved.

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)

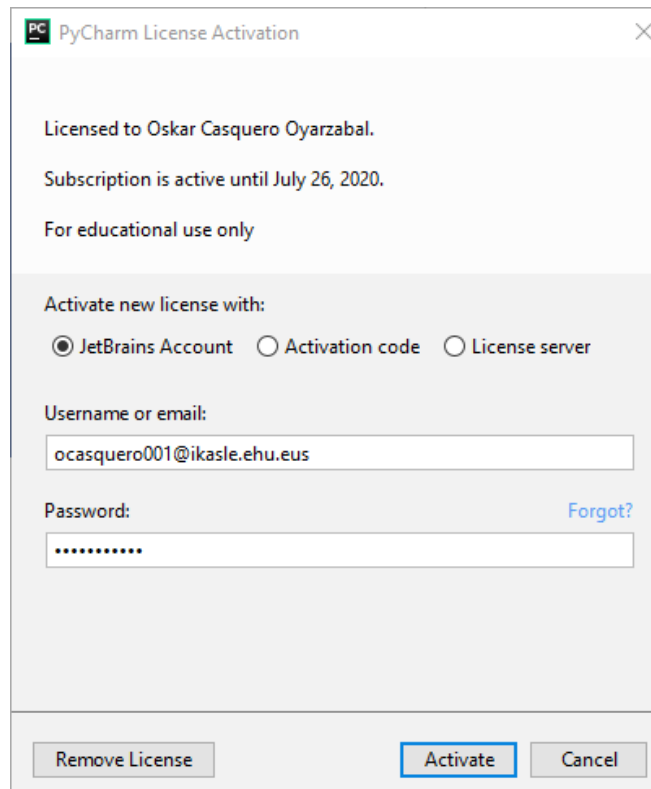
- PyCharm lehenengo aldiz abiarazten duzuenean, lizentzia bat eskatuko dizue.
- **@ikasle.ehu.eus** posta elektronikodun edozein ikaslek PyCharm-entzako hezkuntza lizentzia bat lortu dezake.
- Lizentziaren eskaera egiteko, hurrengo estekan klik egin: <https://www.jetbrains.com/student>.
- Lizentzia eskaera 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:' dropdown is set to 'UNIVERSITY EMAIL ADDRESS'. The 'Status:' section has two radio buttons: 'I'm a student' (selected) and 'I'm a teacher'. The 'Level of study:' dropdown 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 text input field. The 'Email address:' section has a text input field containing 'ocasquero001@ikasle.ehu.eus'. Below the email address, there is a checkbox for 'I certify that the university email address provided above is valid and belongs to me.' The 'Name:' section has two text input fields: 'Oskar' and 'Casquero'. Below the name fields, there is a checkbox for 'The software product(s) will be registered to your real name.' The 'Country / region:' dropdown is set to 'Spain (Mainland)'. The 'I am under 13 years old' checkbox is unchecked. The 'I have read and I accept the JetBrains Account Agreement' checkbox is unchecked. The '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' checkbox is unchecked. The 'More' link is visible. The 'APPLY FOR FREE PRODUCTS' button is at the bottom.

PYCHARM: LIZENTZIAREN LORPENA (2/2)

- Lizentzia PyCharmen sartzeko modurik errazena, lizentzia 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:

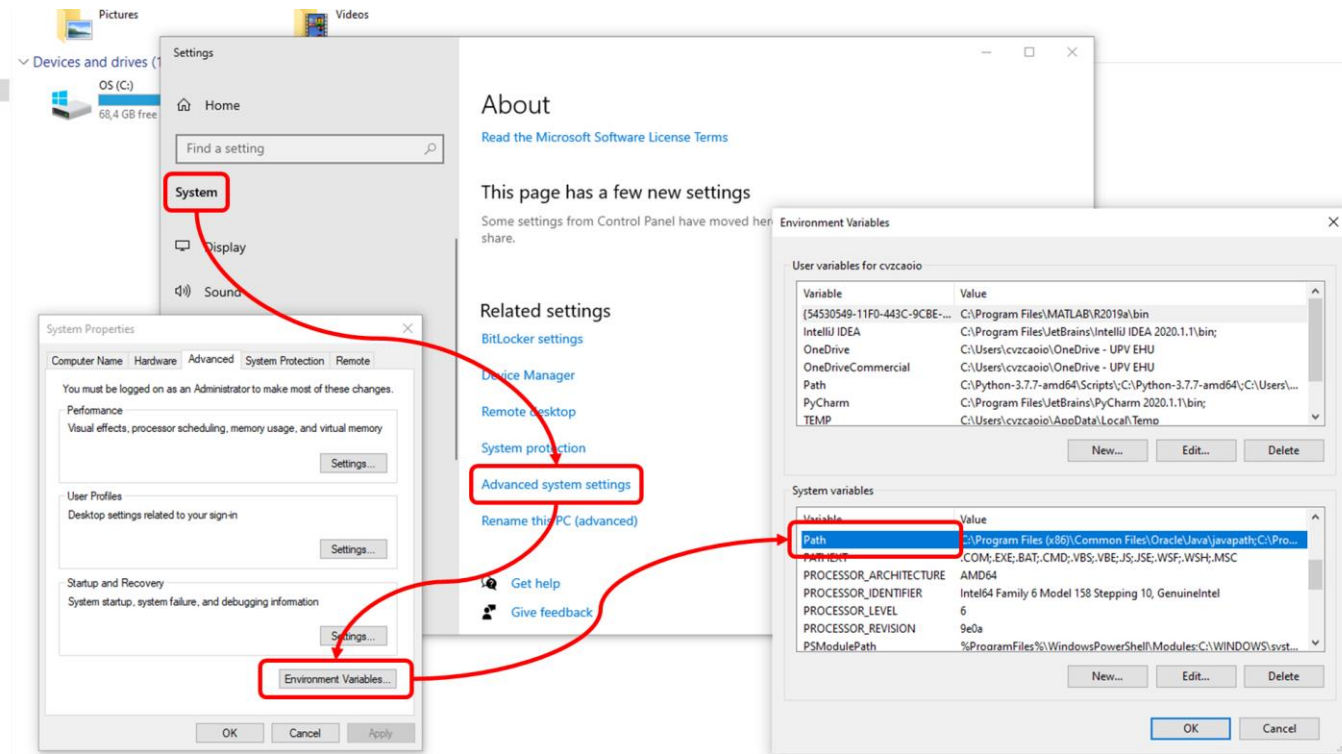
☒ JetBrains Account ☐ Activation code ☐ License server

Username or email:

Password: [Forgot?](#)

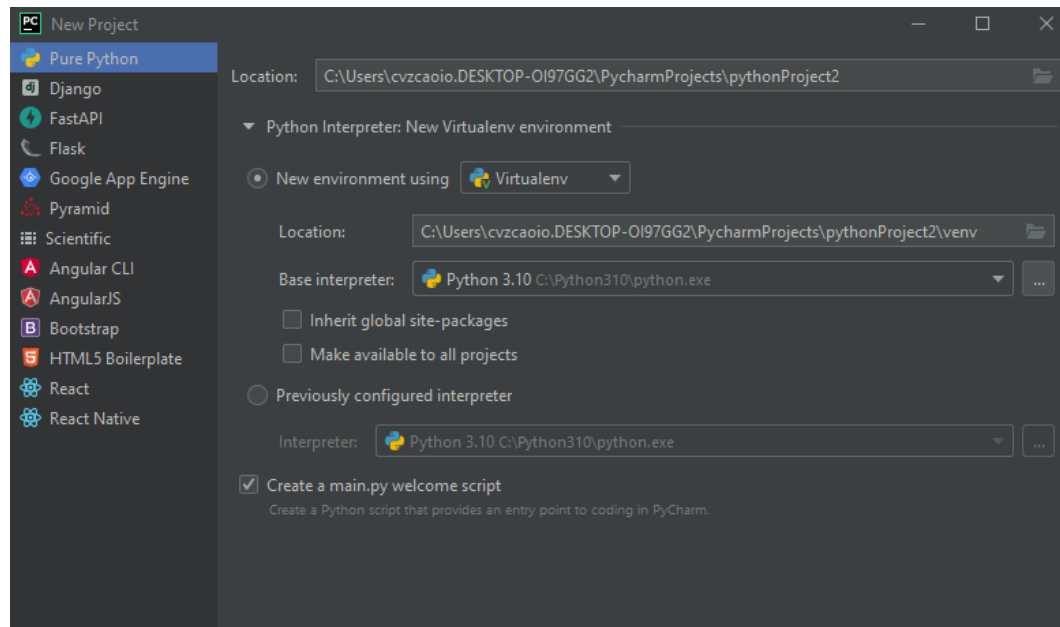
GECKODRIVER: INSTALAZIOA

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



GECKODRIVER: EGIAZTAPENA

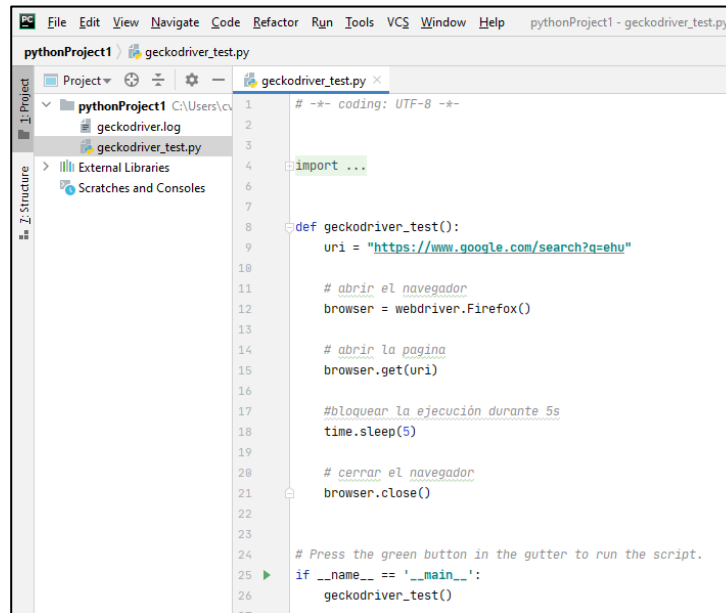
- Instalazioa probatzeko, PyCharm-en “Pure Python” motako proiektu berria zabaldu Python 3.10 interpretea aukeratuz



- Interprete horrentzako “selenium” liburutegia instalatu.
 - Python-en liburutegi bat zelan instalatzen den jakiteko:
<https://egela.ehu.eus/mod/resource/view.php?id=6348338>

GECKODRIVER: EGIAZTAPENA

- *geckodriver_test.py* proiektuan kargatu.
<https://egela.ehu.eus/mod/resource/view.php?id=6348332>



```
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* exekutatu. Python programa bat zelan exekutatzen den jakiteko:
<https://egela.ehu.eus/mod/resource/view.php?id=6348338>
- Zer gertatu behar da programa exekutatzerakoan? Firefox zabaldu, Google-en bilaketa egin, leihoa 5s-z zabalik mantendu eta, azkenik, leihoa itxiko da.

VIEW SOURCE CHART

- VSC nabigatzaileak web orri bat deskargatu eta renderizatu ostean gelditzen den HTML kodea ikusteko balio duen bookmarklet-a da.
 - Bookmarklet bat web nabigatzaile batean gordetzen den markatzaile bat da, baina esteka bat eduki beharrean, JavaScript kodea du, nabigatzaileari ezaugarri berriak gehitzen dizkiona. Erabiltzaileak bookmarklet-ean klik egiten duenean, JavaScript kodea exekutatzen da.
- VSC bookmarklet-aren “*tab (default) or popup window*” bertsioa Firefox-en instalatu.
- **EGIAZTAPENA:**
 - *nire_web_orria_JS.html* web orria deskargatu:
<https://egela.ehu.eus/mod/resource/view.php?id=6348334> eta nabigatzailean ireki.
 - VSC erabiliz, web orriaren jatorrizko kodea nabigatzaileak renderizatutakoarekin alderatu.

