

Contents:

Installation. How to properly prepare before the class.

1. No extensions installed.
2. Error at program launch: No module named play
3. The authorization window does not appear.
4. Endless download of tasks on the platform via AlgoVSC.
5. The code copied from the MG for the lesson does not work or produces errors.
6. On Windows, when launching the program in the terminal, an error appears: This application failed to start because no Qt platform plugin could be initialized. Reinstalling the application can fix this problem.
7. Problems when installing on MacOS: Unable to write program user data
8. After running the code in the terminal an error appears: SyntaxError: invalid syntax
9. Error in the "timeout" pop-up window. Terminal output: The connection is not established because the terminal computer has denied the connection request.
10. Error when saving the file Failed to save 'main.py': The content of the file is newer. Please compare your version with the file contents.
11. MacOS does not operate with letter keys.
12. The VS Code doesn't see the files I link to in the program.

Installation. How to properly prepare before the class.

Please install the programs on the children's PCs in advance. This will allow you to check whether they work. It will also give you time to contact technical support in case of unforeseen problems.

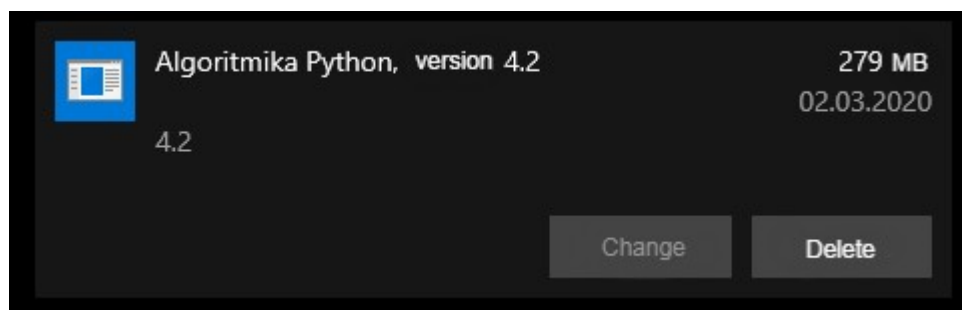
1. If you have an old version of AlgoVSC on your computer, it must be removed before you start the installation process.

Removing the old version on Linux:

- a. Delete manually in the home folder: vscode folder and algoritmika folder in miniconda/envs/.
- b. Install the current version according to the [instructions](#).
- c. After installation and the first launch, we recommend restarting AlgoVSC to ensure its correct operation.

Removing the old version on Windows:

Go to application management in the system settings and remove Algoritmika Python.

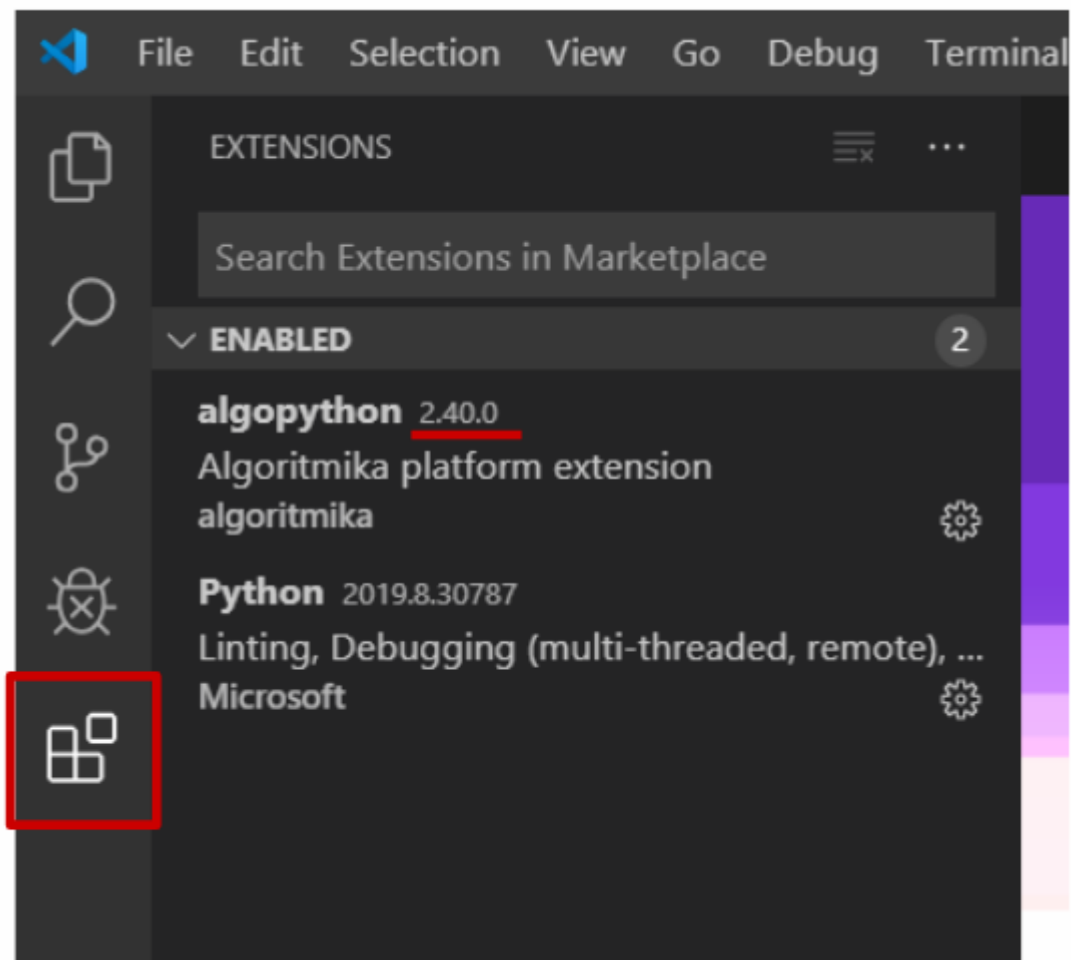


After uninstalling, install the current version [according to the instructions](#). After installation and the first launch, we recommend restarting AlgoVSC to ensure its correct operation.

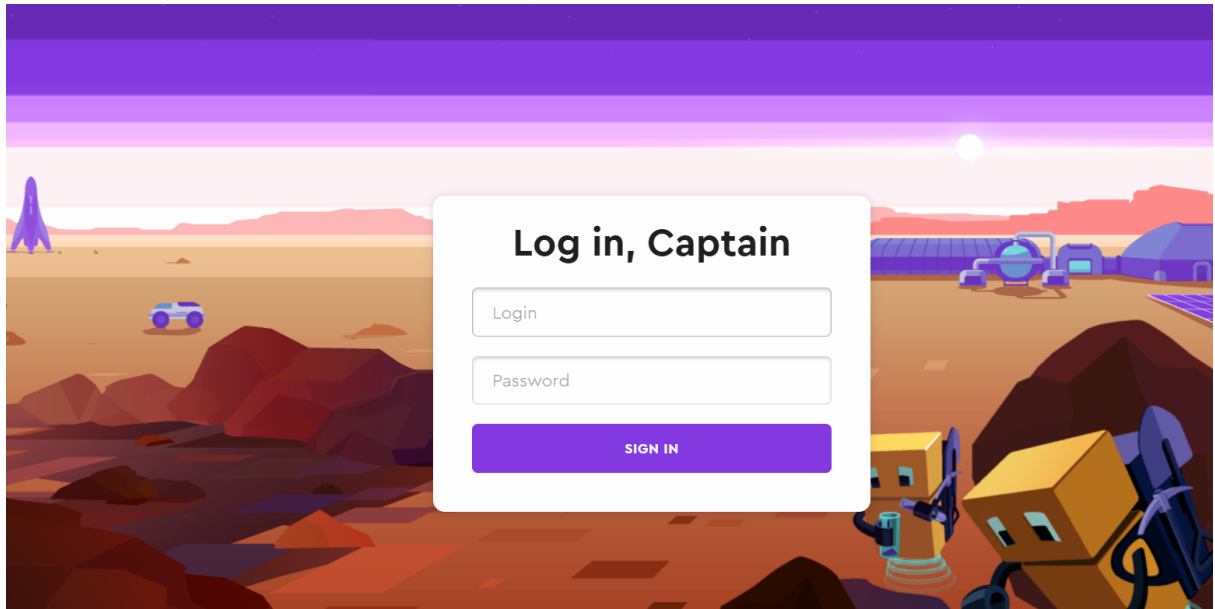
Removing the old version on MacOS:

- a. Delete manually in the home folder: vscode folder and algoritmika folder in miniconda/envs/.
- b. Install the current version according to the [instructions](#).
- c. After installation and the first launch, we recommend restarting AlgoVSC to ensure its correct operation.

2. After installation, check the installed extensions in the program. There should **only be two: algopython and Python**. The extension version must be at least **2.40**.



3. Make sure the program prompts you to log in to the Mars platform. Try to log in as a test student, log in to any project marked VSC and run the program code in it to make sure that no errors occur.

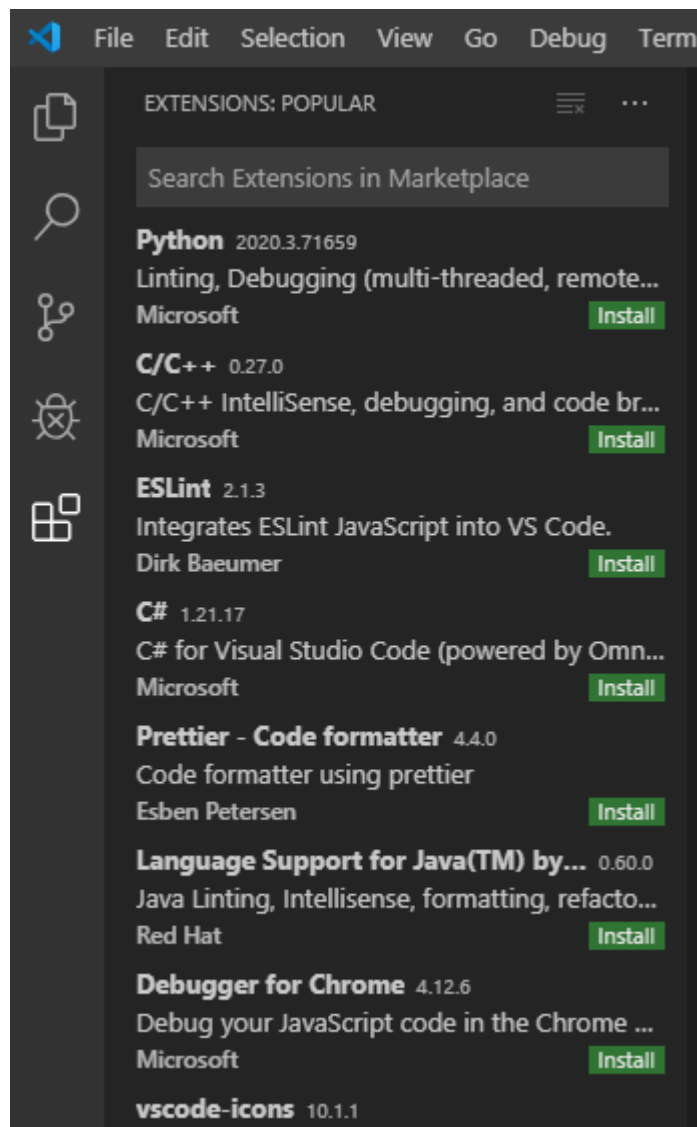


Possible errors and irregularities in the instructions.

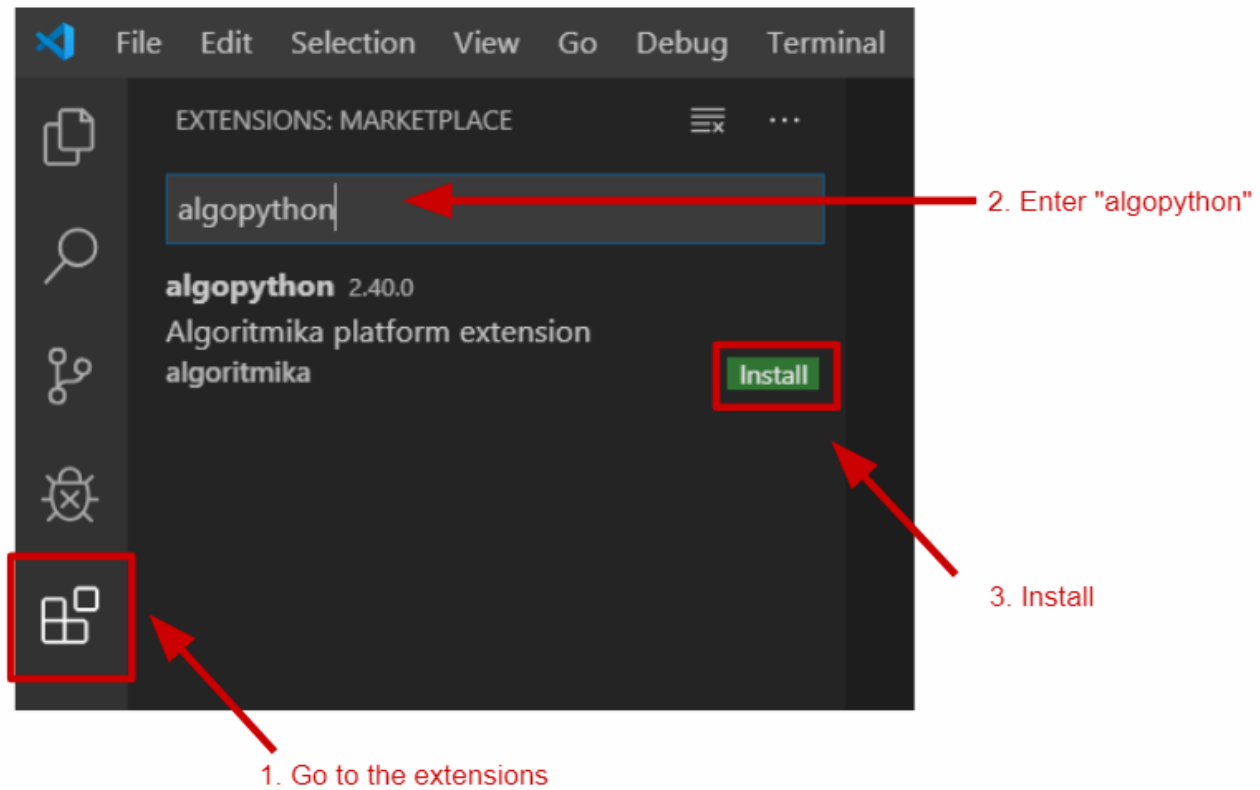
1. No extensions installed.

After installing the current version, you should have **only two extensions in the program: algopython and Python.**

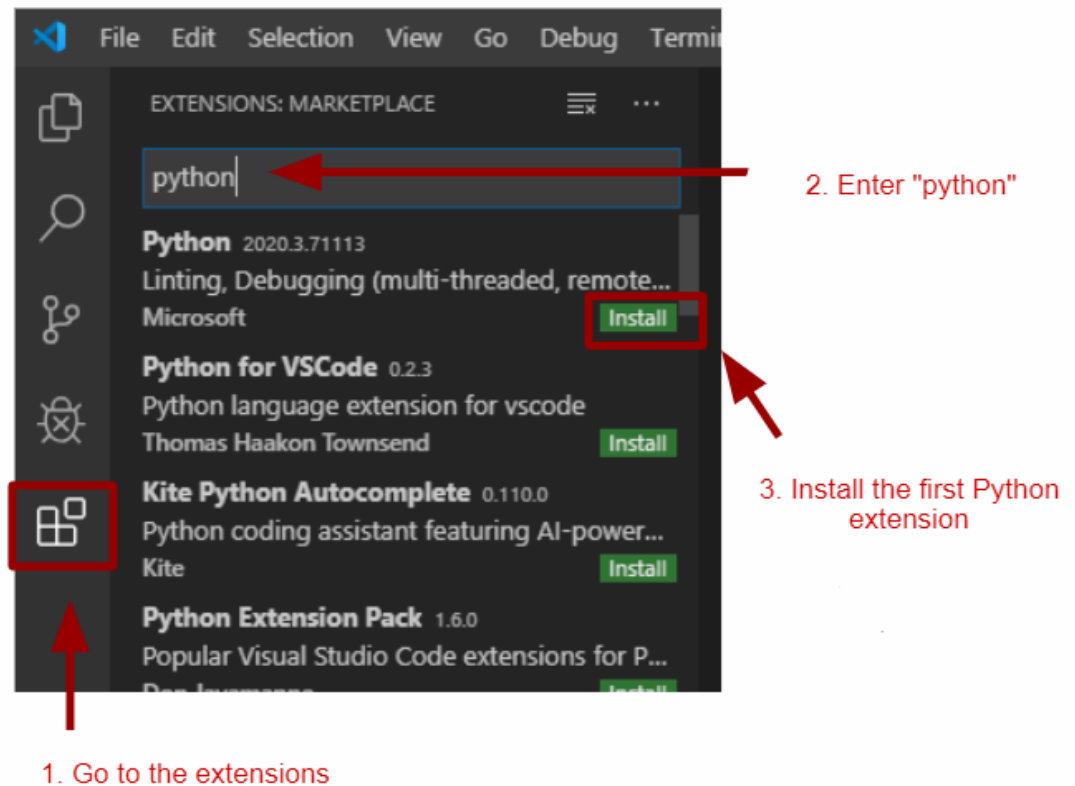
If for some reason this is not the case, you will see the following displayed after launching in the extensions tab (see screenshot below):



If the **algotpython** extension has not been installed, install it manually:



If the **Python** extension has not been installed, install it manually:



Restart AlgoVSC. Make sure the program prompts you to log in to the Mars platform. Try to log in as a test student, log in to any project marked VSC and run the program code in it to make sure that no errors occur.

2. Error at program launch: No module named play

Make sure the code is spelled correctly.

The next step is to check that [Algo VSC](#) is installed. If you simply added two required extensions to the standard VS Code program that are not from Algorithmics, it means that the required libraries have not been installed.

Make sure that the program has the current extensions installed: Python from Microsoft and **algotpython version 2.40**.

Make sure that the account you are using with **AlgoVSC** has administrator rights. Users with normal rights still have limited functionality, including the ability to perform most actions with Python. Therefore, simply accessing the administrator password is not enough.

Make sure you **disable your antivirus while you are working with the program.**

They block most actions, especially if you have more than one on your computer. This is not a standard built-in antivirus, it works correctly and there is no need to turn it off. In this case, we are speaking about various **free and additional paid antiviruses: Avast, Kaspersky, etc.**

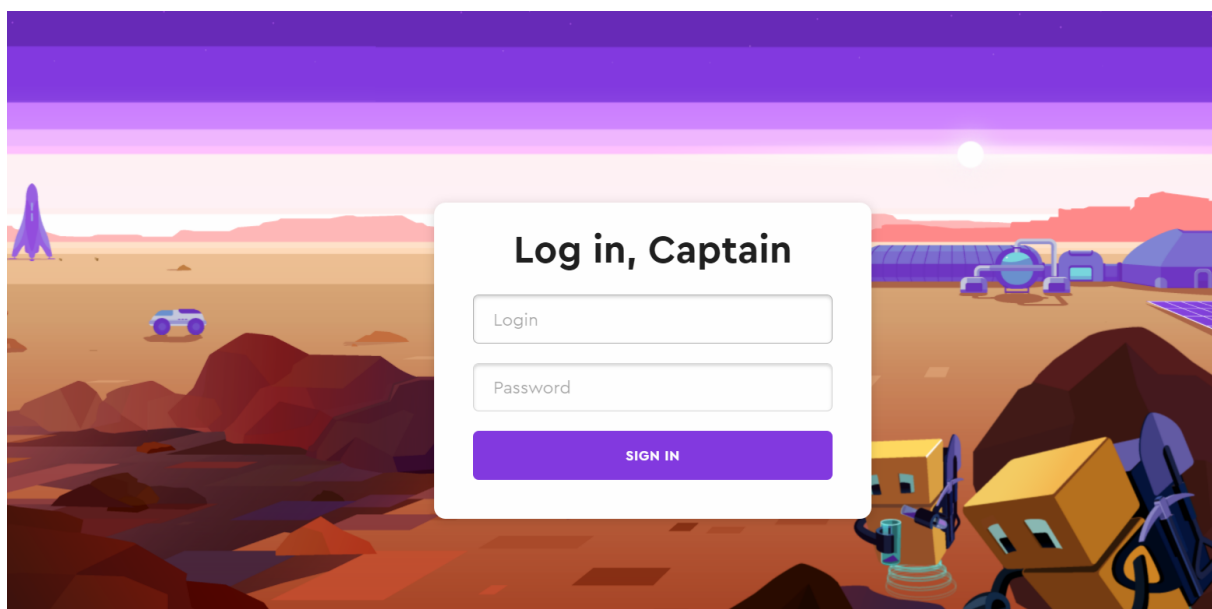
You can also add the folder

`C:\Users\user\AppData\Local\Programs\AlgoVSC` to your antivirus exclusions if you are not ready to turn it off or delete it.

If you have checked all the previous items and the problem persists, please contact Algorithmics technical support.

3. The authorization window does not appear.

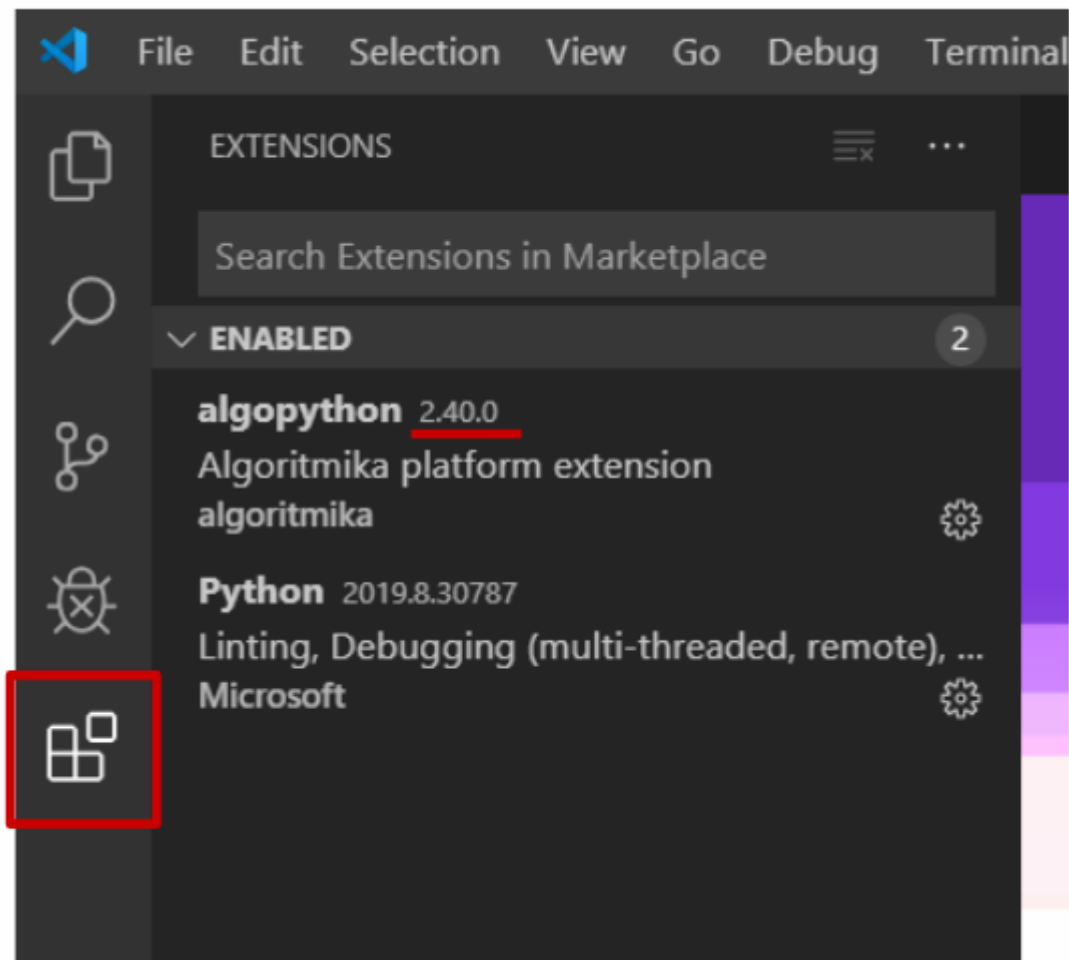
If the program is installed correctly, you should see an authorization window on the Mars platform.



Sometimes the program may freeze on the “Search for Updates” notification. Try restarting it, an authorization window should appear.

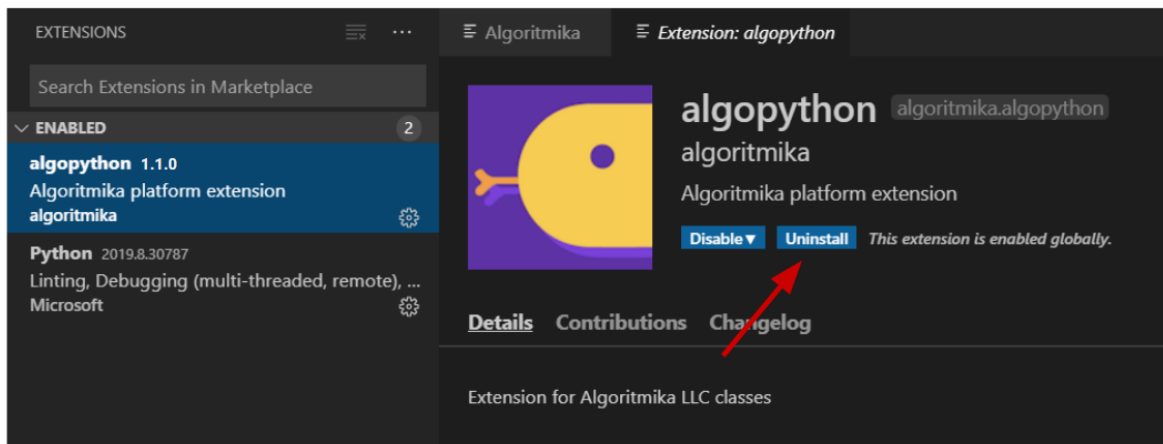
If it didn't appear, check the following:

- a. Stability of Internet connection;
- b. Updated installed extensions. If the **2.40** version extension of algopython is installed, you may experience errors.

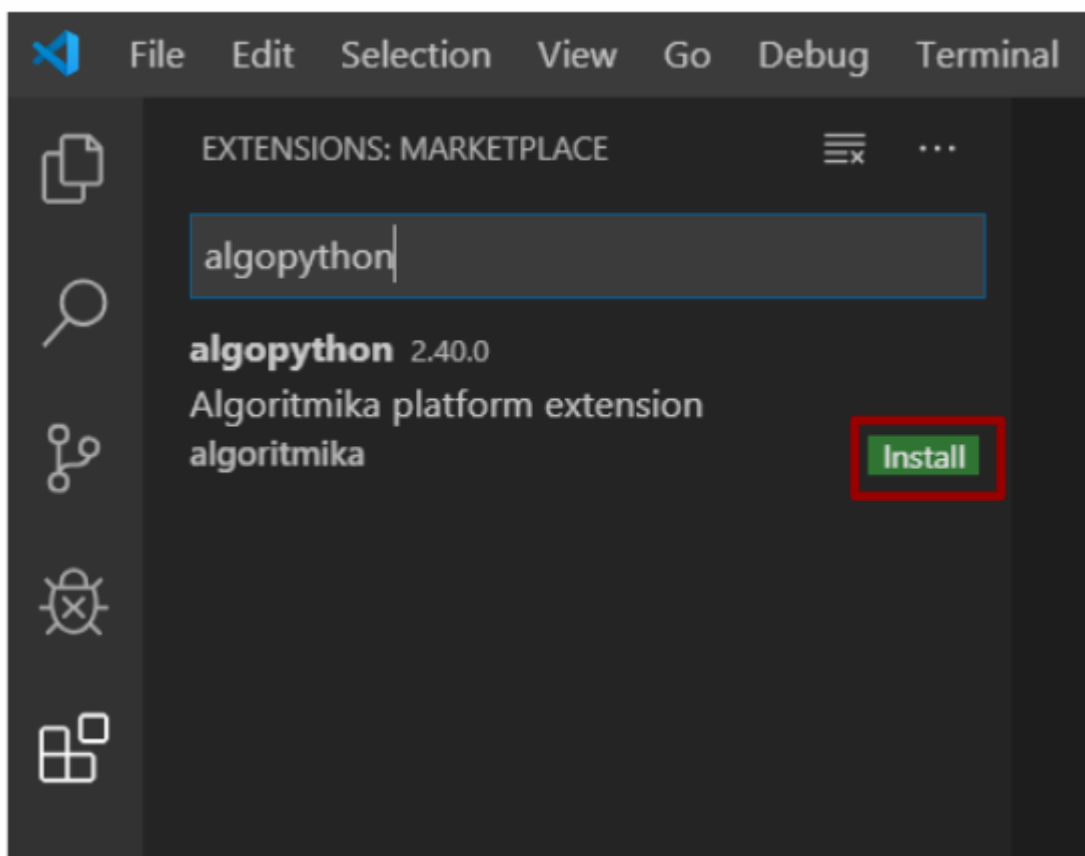


If you have a problem with the version extension, do the following:

- Delete the current version by clicking Uninstall;



- Restart VSC;
- Click on the extensions tab again, search for algotpython;
- Install the extension by clicking Install;

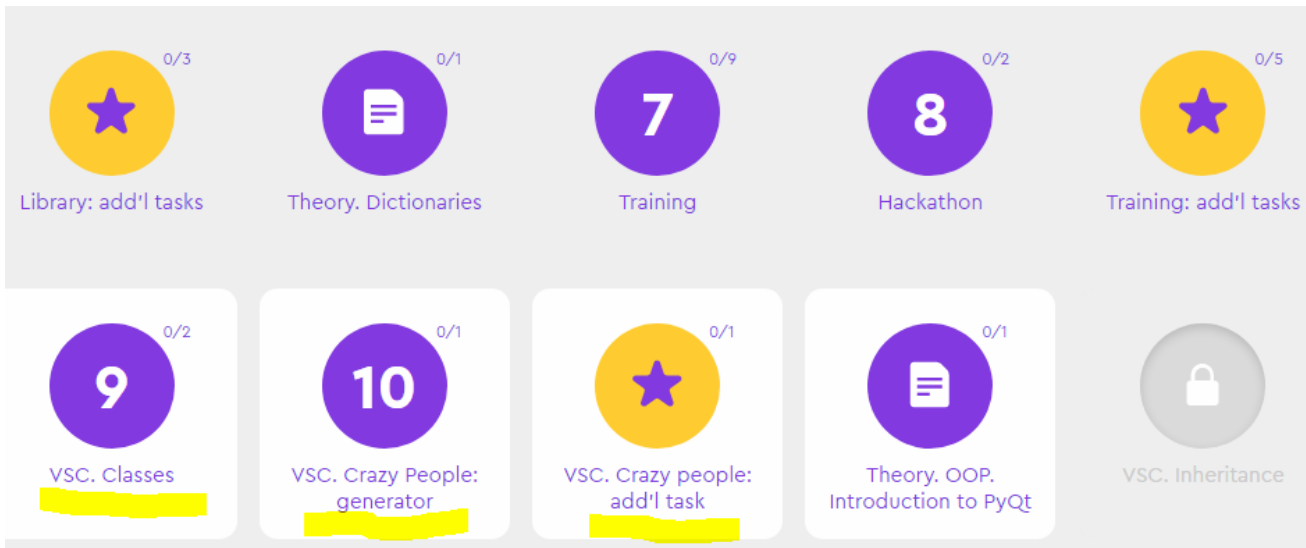


- Restart VSC again, go to extensions and make sure the current version is installed.

If everything is installed correctly and the problem persists, please contact Algorithmics technical support.

4. Endless download of tasks on the platform via AlgoVSC.

Make sure you enter one of the tasks marked VSC. Otherwise, it will not open through the program, as well as tasks marked VSC, which will not work through the Mars platform in the browser.



If you did everything right, but still see endless downloads, check your internet connection's stability. If possible, try to connect to another network and reopen the task. Try to restart the program.

If the problem persists, please contact Algorithmics technical support.

5. The code copied from the MG for the lesson does not work or produces errors.

Unfortunately, when copying and pasting a code from the MG, extra blank lines are occasionally added automatically. You can delete them manually or reprint the code from scratch.

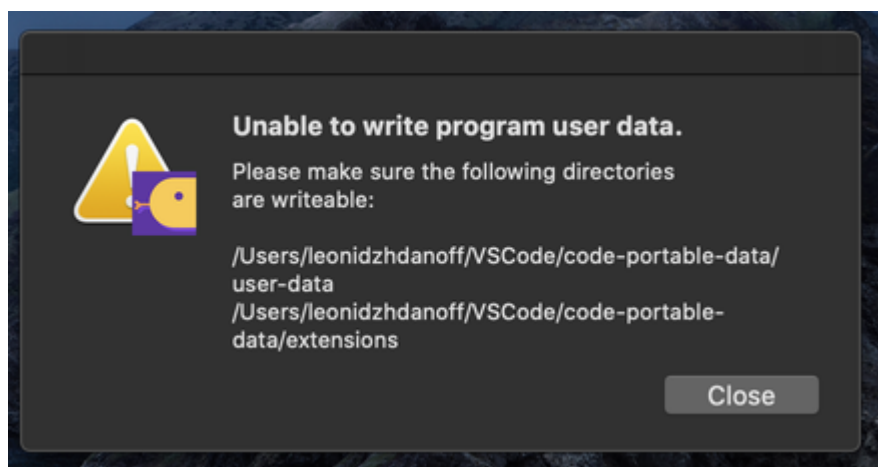
6. On Windows, when launching the program in the terminal, an error appears: This application failed to start because no Qt platform plugin could be initialized. Reinstalling the application can fix this problem.

Please note that this error indicates that you have an old version of the program that is sensitive to Windows accounts in Russian.

[Updated installation instructions for Windows.](#)

7. Problems when installing on MacOS: Unable to write program user data

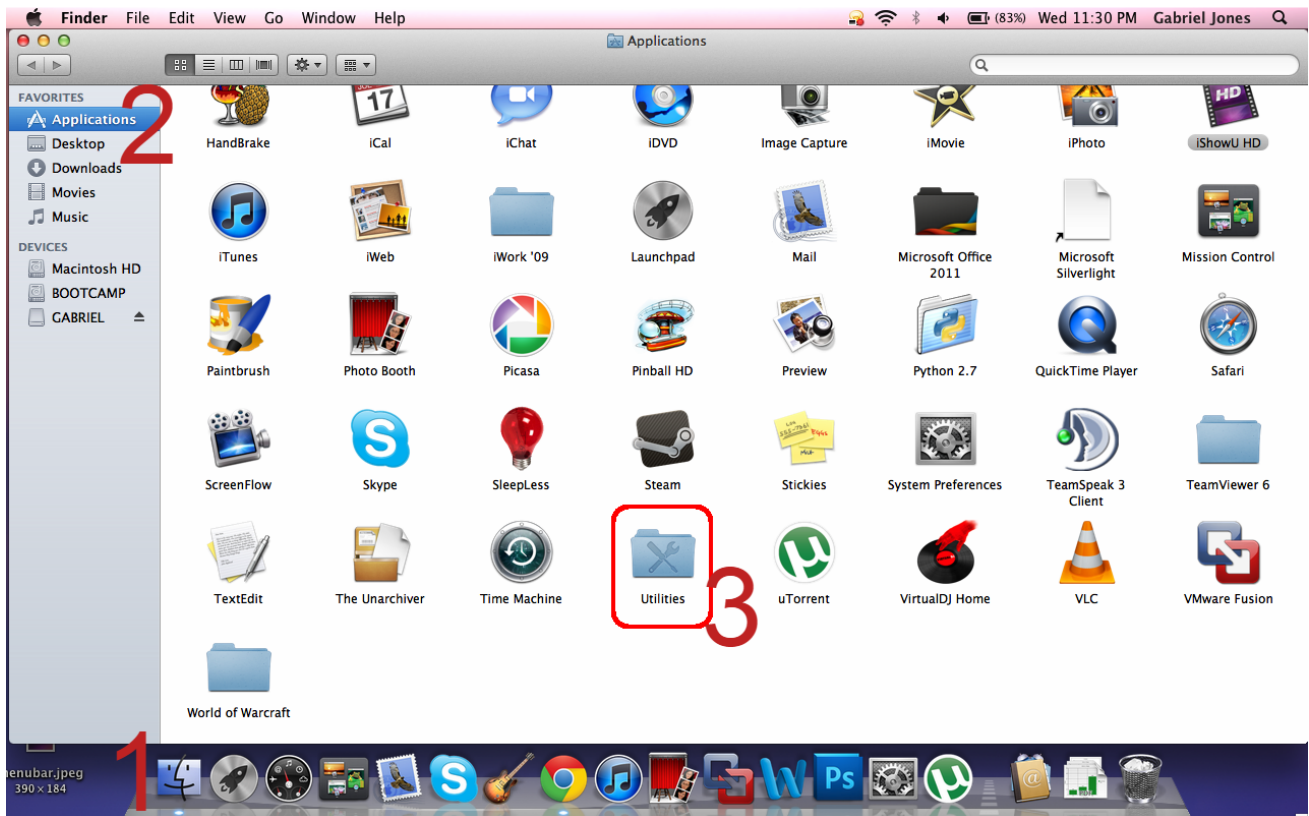
On MacOS, you may experience problems with system authorizations after installation and you will see a similar error.



To delete it, you need to manually give permission to edit directories.

Delete manually in the home folder: vscode folder and algoritmika folder in miniconda/envs/

Launch the terminal. To do this, open "Finder" select "Programs" and then "Utilities".



In utilities, find the “Terminal” and run it.



In the opening window of the terminal, enter
`sudo installer -pkg ~/Downloads/algopython.pkg -target /`

**This command assumes that the installer is in the default Downloads folder and is called algopython.pkg. If this is not the case on your PC, you need to change the file path and its name accordingly.*

The terminal will ask for your password. Enter your PC password and press Enter.

When you enter a password on this line, no characters are displayed after entering it, this is completely normal.

Once the installation is complete, you will see the message **"The upgrade was successful"**.

```
The default interactive shell is now zsh.  
To update your account to use zsh, please run `chsh -s /bin/zsh`.  
For more details, please visit https://support.apple.com  
MacBook-Air-Kirill:~ kirillromanov$ sudo installer -pkg ~/Downloads/algopython.pkg -target /  
Password:  
installer: Package name is Algopython  
installer: Upgrading at base path /  
installer: The upgrade was successful.
```

If the shortcut does not automatically appear on the desktop after installation, you need to go to the VSCode folder and find the program file, and then add it to the desktop.

After launching the program, check the installed extensions. There should be **two: algopython version 2.40 or higher and Python**.

If the updated extension has not been installed, please update it according to the instructions from point **1 "No extensions installed"**.

8. After running the code in the terminal an error appears:

SyntaxError: invalid syntax

This kind of error always indicates an error present in the code. To understand exactly where the code is written incorrectly, you need to look in the terminal at the line preceding the SyntaxError: invalid syntax.

For example, from the screenshots below we see that one of the lines lacks commas between the arguments.

```
13 player.physics.v speed = 0

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

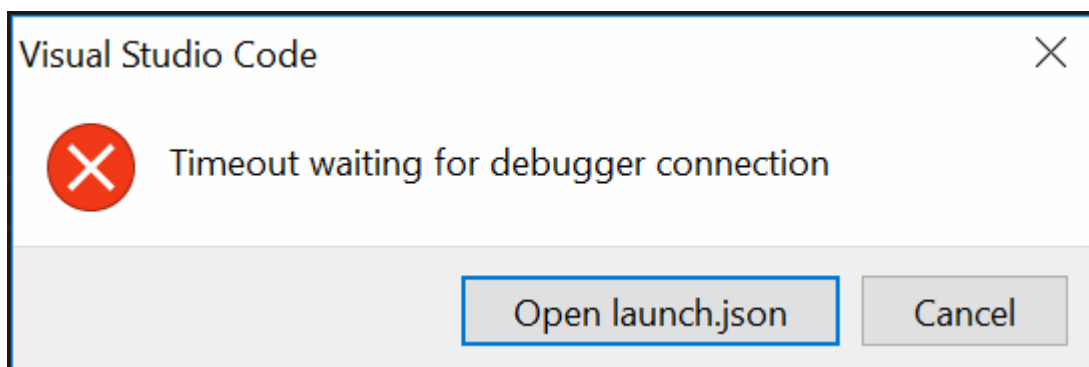
code, fname = _get_code_from_file(run_name, path_name)
File "C:\Users\Miquael\AppData\Local\Programs\Python\Python37-32\lib\r
code = compile(f.read(), fname, 'exec')
File "c:\Users\Miquael\AppData\Local\Programs\Algoritmika\vscode\data\
ent\96023\48586\main.py", line 3
player=play.new_circle(color="red" x=0,y=-270 radius=20)
^
SyntaxError: invalid syntax
```

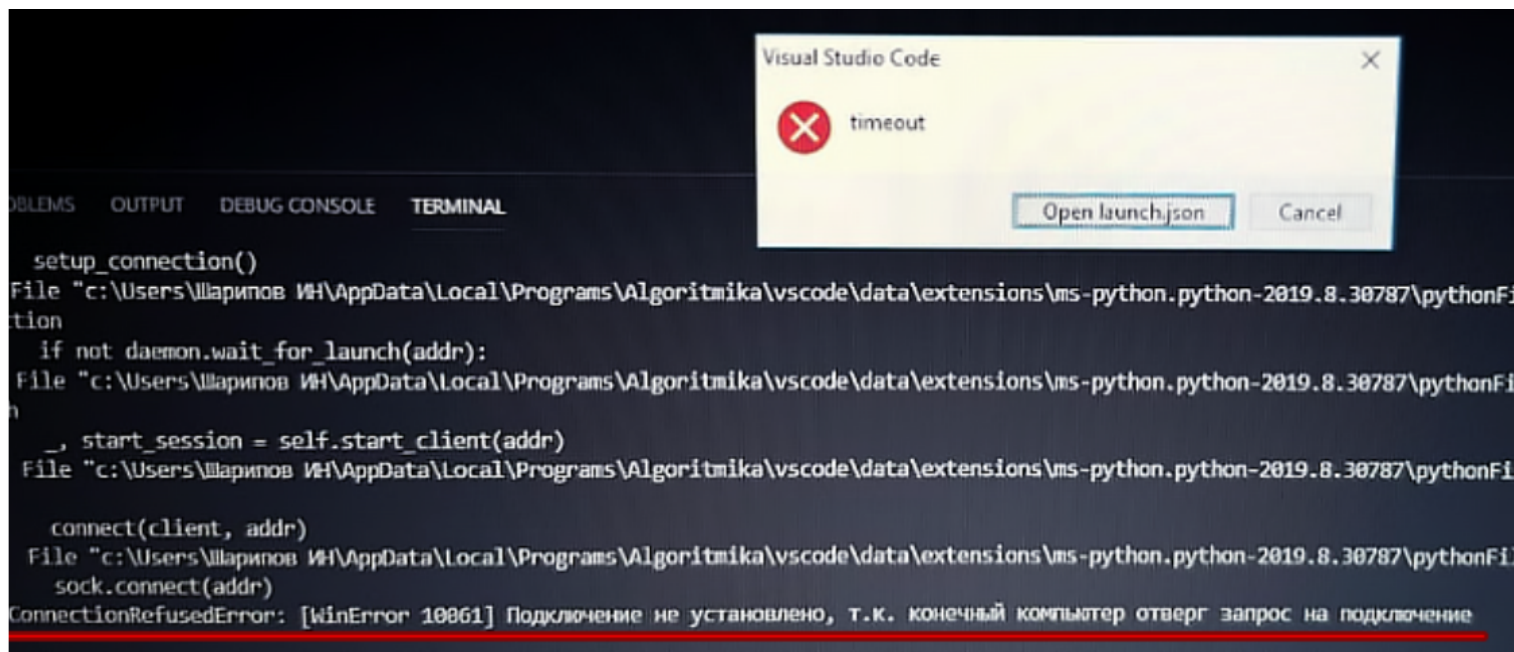
```
13 player.physics.v speed = 0

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

code, fname = _get_code_from_file(run_name, path_name)
File "C:\Users\Miquael\AppData\Local\Programs\Python\Python37-32\lib\r
code = compile(f.read(), fname, 'exec')
File "c:\Users\Miquael\AppData\Local\Programs\Algoritmika\vscode\data\
ent\96023\48586\main.py", line 3
player=play.new_circle(color="red", x=0,y=-270,radius=20)
^
SyntaxError: invalid syntax
```

9. Error in the “timeout” pop-up window. Terminal output: The connection is not established because the terminal computer has denied the connection request.





The causes of this problem may be:

Errors in the code (note the output in the terminal, there may also be an [invalid syntax](#) error);

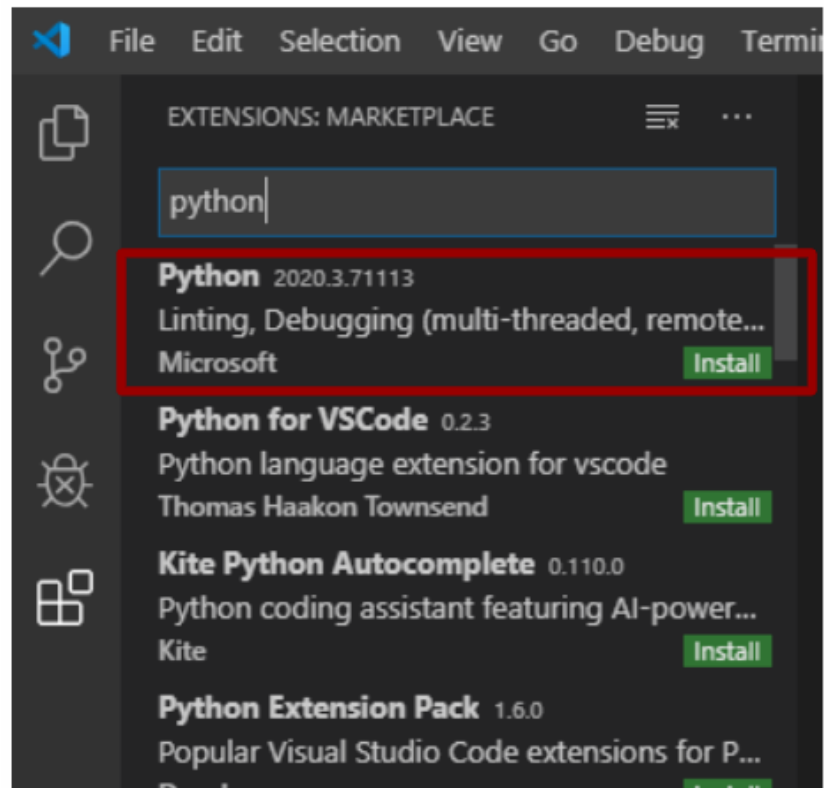
The antivirus is on. The best solution is to disable or remove the antivirus (we are not talking about a standard built-in antivirus, but about external programs: Avast, Kaspersky, etc.).

If you're not ready to do this, try adding the folder

[C:\Users\user\AppData\Local\Programs\Algoritmika](#) to your antivirus exceptions and restart the program;

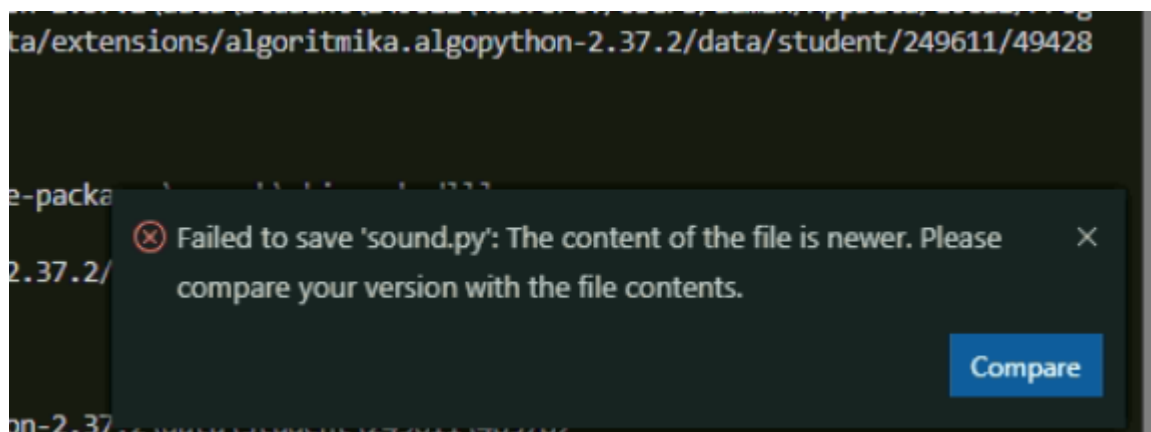
Outdated Python extension.

In the extensions tab, enter "python" in your search. You need the first extension in the list from Microsoft (see screenshot below).



If you do not have the latest version installed, you should see the “Update” button next to it. You can also completely remove the extension by pressing “Uninstall” and then reinstalling it.

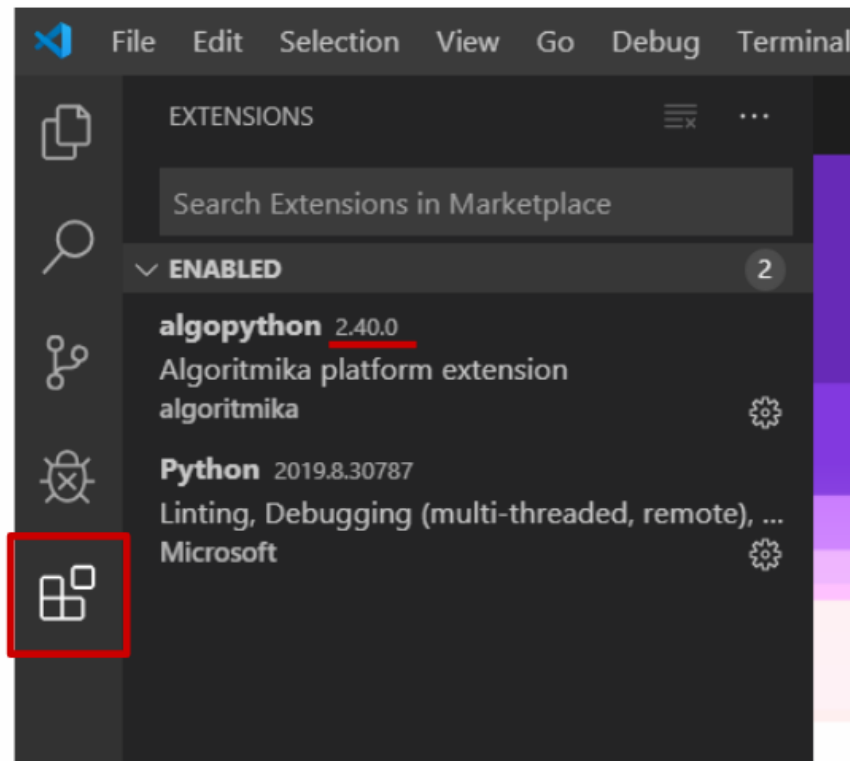
10. Error when saving the file Failed to save 'main.py': The content of the file is newer. Please compare your version with the file contents.



Make sure you have the **correct date and time set on your computer**. Otherwise, the program will keep finding new versions of

the file and will show this error since the local time does not correspond to the real time.

Check that you have the current extensions installed.

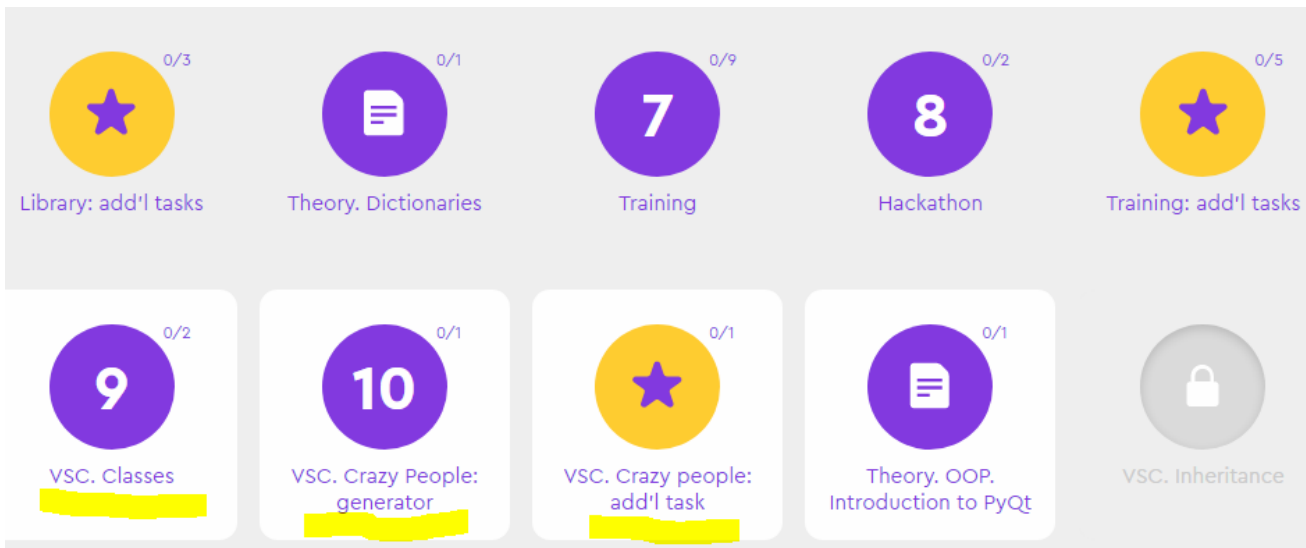


11. MacOS does not operate with letter keys.

We know that macOS has problems using letter keys in the program. In case you experience such a problem, please use the arrow keys and number keys on this operating system instead.

12. The VS Code doesn't see the files I link to in the program.

Make sure you enter the student profile and run the code from the platform task marked VSC (see screenshot below).

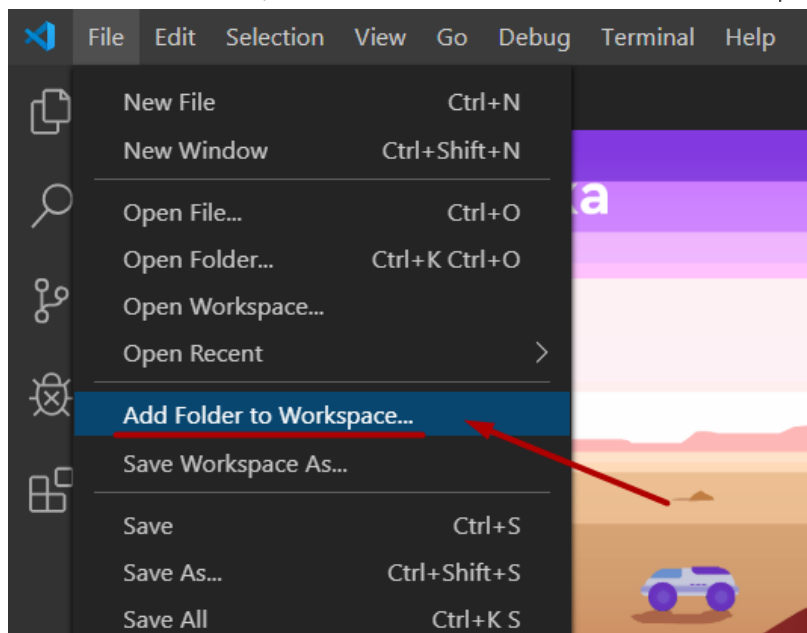


If you want to work with a separate file on your disk, outside the level on the platform, you need to save the file with the program code and all the files used in it to one folder on your computer.

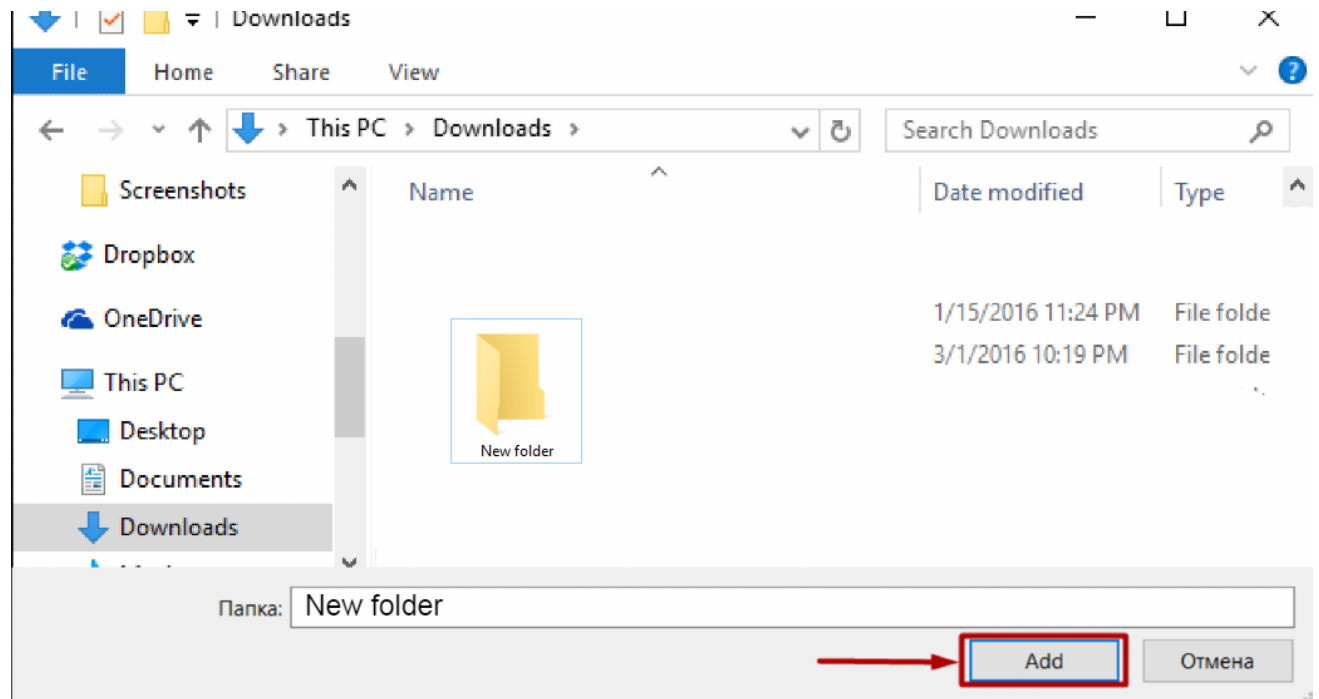
You need to add this folder to your workspace.

For this:

- Go to the menu, click File -> Add folder to workspace



- Add the folder to your workspace:



- Then on the left you will see a workspace with all your saved files and a .py file with a code

