

Kids Code Con 2018

Python Install Notes

Note: The installers have been removed from the software distribution so that they can go into Git. When following these instructions, you must now download the installers from their respective homes on the web.

Windows

- Copy the files from a pen drive or download from:
 - bit.ly/KCC2018Python
- Extract ZIP file to this folder:
 - %userprofile%\globaldefense
- From the Software Installers\Windows folder, install python 3.6.5 with these options:
 - Custom installation
 - [X] Add to System Path
 - [X] Install for all users
 - Custom path: c:\python36
 - If prompted, click the button to increase the MAX_PATH.
- Open a command prompt:
 - Click the START button.
 - Type CMD <enter>
- Navigate to the folder:
 - cd %userprofile%\globaldefense
- Check the Python version:
 - python --version
- If the version is wrong, there is a path problem. Fix it by removing all paths to Python27 and the PYHOME environment variable.
- Run Python:
 - python
- Test Pygame:
 - import pygame
 - pygame.init()
- Exit python: quit()
- If Pygame failed, install it:
 - Test PIP version: pip --version
 - If the version is not 3.6, the path is wrong. Fix it.
 - Install PyGame: pip install pygame

- Retest PyGame
- Reset the environment with this command:
 - python reset.py
 - When prompted, enter 1 and press <enter>.
- From the Software Installers\Windows folder, Install Visual Studio Code. If it is already installed, the user can just update it.
- Run Visual Studio Code.
- From the File menu, click OPEN FOLDER. Navigate to:
 - %userprofile%\globaldefense.
- Double-click on GlobalDefense.py to open it.
- In Visual Studio Code, install the Python extension.
 - When opening the previous file, you may be prompted to install PyLint. Click YES.
 - If not prompted, go to the extensions sidebar and search for "Python". Choose the one published by "Microsoft" with about 12 million downloads. Install it.
 - Once it's installed, there will probably be a little blue reload button next to it. Click it. If there is not, do a manual reload:
 - Ctrl-P
 - Type and run the command:
 - >reload

Mac:

- Copy the files from a pen drive or download from:
 - bit.ly/KCC2018Python
- Extract ZIP file to this folder (you can type ~/ into spotlight and then create the globaldefense folder there):
 - ~/globaldefense
- From the Software Installers\Windows folder, install python 3.6.5.
- In spotlight, type:
 - term
- In the terminal, type:
 - cd ~/globaldefense
 - python --version
- If the version is not 3.6, there is a path problem. I don't know how to fix it.
- Run Python:
 - python
- Test Pygame:
 - import pygame
 - pygame.init()
- Exit python: quit()

- If Pygame failed, install it:
 - Test PIP version: `pip --version`
 - If the version is not 3.6, the path is wrong. Fix it.
 - Install PyGame: `pip install pygame`
 - Retest PyGame
- Reset the environment with this command:
 - `python reset.py`
 - When prompted, enter 1 and press <enter>.
- From the Software Installers\Mac folder, Install Visual Studio Code. If it is already installed, the user can just update it.
- From the File menu, click OPEN FOLDER. Navigate to:
 - `~/globaldefense`.
- Double-click on GlobalDefense.py to open it.
- In Visual Studio Code, install the Python extension.
 - When opening the previous file, you may be prompted to install PyLint. Click YES.
- If not prompted, go to the extensions sidebar and search for "Python". Choose the one published by "Microsoft" with about 12 million downloads. Install it.
- Once it's installed, there will probably be a little blue reload button next to it. Click it. If there is not, do a manual reload:
 - Ctrl-P
 - Type and run the command:
 - `>reload`