

How to use Fairgame on a Raspberry Pi (Or any linux distro really)

1) Install Python 3.8

Step 1: Update Raspbian as a whole.

```
sudo apt-get update  
sudo apt-get upgrade
```

Step 2: Prerequisite Libraries.

```
sudo apt-get install -y build-essential tk-dev  
libncurses5-dev \libncursesw5-dev libreadline6-dev  
libdb5.3-dev libgdbm-dev libsqlite3-dev \libssl-dev  
libbz2-dev libexpat1-dev liblzma-dev zlib1g-dev  
libffi-dev
```

```
sudo apt-get install libjpeg-dev -y
```

```
sudo apt-get install liblcms1-dev -y
```

Step 3: Download Python

```
wget  
https://www.python.org/ftp/python/3.8.6/Python-3.8.6.tgz
```

Step 4: Install Python

```
sudo tar xzf Python-3.8.6.tgz
```

```
cd Python-3.8.6
```

```
sudo ./configure --enable-optimizations
```

```
sudo make -j 4    (this step will take a while)
```

```
sudo make altinstall
```

(this will install Python to [/usr/local/bin])

Step 5: Check Your Version

```
python3.8 -v
```

(version will be 12 lines from the bottom)

CTRL+D to go back to main terminal input

Step 6: make python 3.8.6 the default version

```
echo "alias python=/usr/local/bin/python3.8" >>  
~/.bashrc
```

Step 7: Source the .bashrc file

```
source ~/.bashrc
```

Step 8: Check the python version again

```
python -v
```

check 12 lines up, should say Python 3.8.6, press CTRL+D to go back to main terminal input

Step 9: Return to Main Terminal

```
cd
```

2) Setup and Prerequisites

Step 1:

```
sudo apt install chromium-chromedriver

git clone https://github.com/Hari-Nagarajan/fairgame

cd fairgame

pip3 install pipenv

export PATH=$PATH:/home/<YOURUSERNAME>/.local/bin

pipenv shell

pip install Pillow

pipenv install
```

[If install fails, run this command again]

Step 3: Edit a file

You need to configure a file for your version of chrome.

MAKE SURE YOU KEEP THE CURRENT TERMINAL WINDOW OPEN.

Open a file explorer, and go here one at a time

/home/<YOURUSERNAME>/.local/share/virtualenvs/

fairgame-<RANDOMLETTERSANDORNUMBERS>/

/lib/python3.8/site-packages/selenium/webdriver/common/

Find “service.py”, and open it with any text editor (probs use the built in one) by double clicking on it.

Edit line 38 from `self.path = executable` to `self.path = "chromedriver"`, (REMEMBER QUOTES) then save and close the file.

You may get some issues about what packages you need, just read the terminal output.

Legacy instructions to consider usage (but prob just use the

repo)https://docs.google.com/document/d/1zeA_rZFVXIXJL-R8o4CykARHkyoSYLVUSC2tDzCsu9g/edit?usp=sharing

BlankRN and Judarius