

“Mario - User Manual”

1. Requirements	1
2. Initial Configuration	1
3. Run Code	2

1. Requirements.

To run this program, you need to be in the root folder and run the following lines in the command prompt.

```
pip install -r requirements.txt -f https://download.pytorch.org/whl/torch_stable.html
```

2. Initial Configuration.

Before running your code, you need to establish all the rules for the agent, number of episodes, the environment, training mode flag and pretraining mode flag.

You can configure this at the end of the main.py file.

```
deploy(num_episodes=1000, training_mode=True, pretrained=False,  
mario_world_level='2-2')
```

```
def main():  
  
    "-----Training-----"  
    deploy(num_episodes=1000, training_mode=True, pretrained=False, mario_world_level='2-2')  
    "-----Test Learn-----"  
    # deploy(num_episodes=1000, training_mode=False, pretrained=True, mario_world_level='2-2')  
  
main()
```

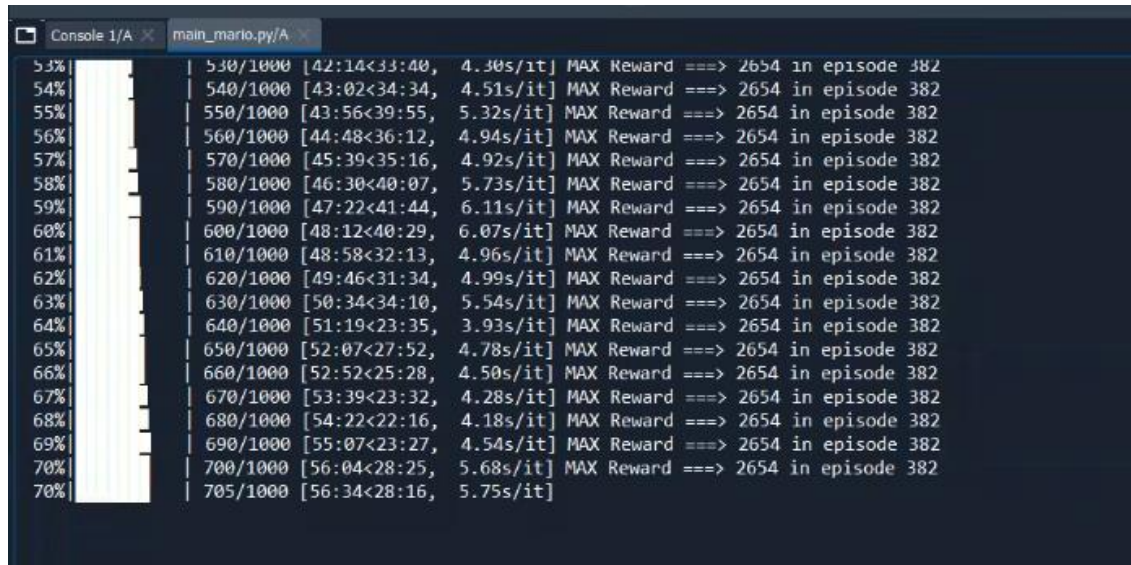
NOTE: Do not use less than 20 episodes.

- Training Mode: This statement is true if you want to train the agent from the beginning.
- Pretrained: This statement is true if you want to use a previous train, but you need to have your training files in your root folders.

3. Run Code.

Once you have installed all the libraries the program needs & the initial configuration established, make sure that you are in the root folder of the program. You will run the code with your favorite IDLE (Spyder, VS Code, PyCharm, etc).

Then all you need to do is to run the program with your “run button”, and you can manage the output of the file in the command prompt.



The program concludes when the progress bar accomplishes the 100% of training and the rewards graph is displayed in the screen.