

AI Snake User Documentation:

Files:

You will see python files like

humanPlaySnake.py: if you run this file you can play snakes using arrow keys.

Give command
`python3 humanPlaySnake.py`

game.py

- This is the snake environment and

Supporting files:

agent.py

- The agent where it puts everything together here we use both the game and the model.

model.py

- The model helps our agent to decide which move it has to take by predicting the old state and new state.

helper.py

- This file will show the mean score, high score, and the number of games on a graph, it uses matplotlib.pyplot library.

The last and final step is to make sure you import all libraries that are needed to run the game. Use command `pip` to import library.

Here are some of the libraries you need to import:

```
IPython import display
import matplotlib.pyplot
import torch
import os
import random
import Linear_QNet, QTrainer
import deque
import numpy
```

When you give the command **python3 agent.py** you will see the output

Things you will see:

Snake game where the snake does some random moves after ten minutes, the snake will start catching the food effectively

And a matplotlib.pyplot graph where we can evaluate how the snake is performing.