User Guide

1. Clone the project from: https://github.com/ISA-has-two-projcet/MarioPCG

2. Install JDK8 & JRE8 from:

https://docs.oracle.com/javase/8/docs/technotes/guides/install/install_overview.html

3. Install PyTorch from:

https://pytorch.org/get-started/locally/

4. Enter root directory of the project ("…/MarioPCG/"), change "my_python_path.txt" to your own python env.

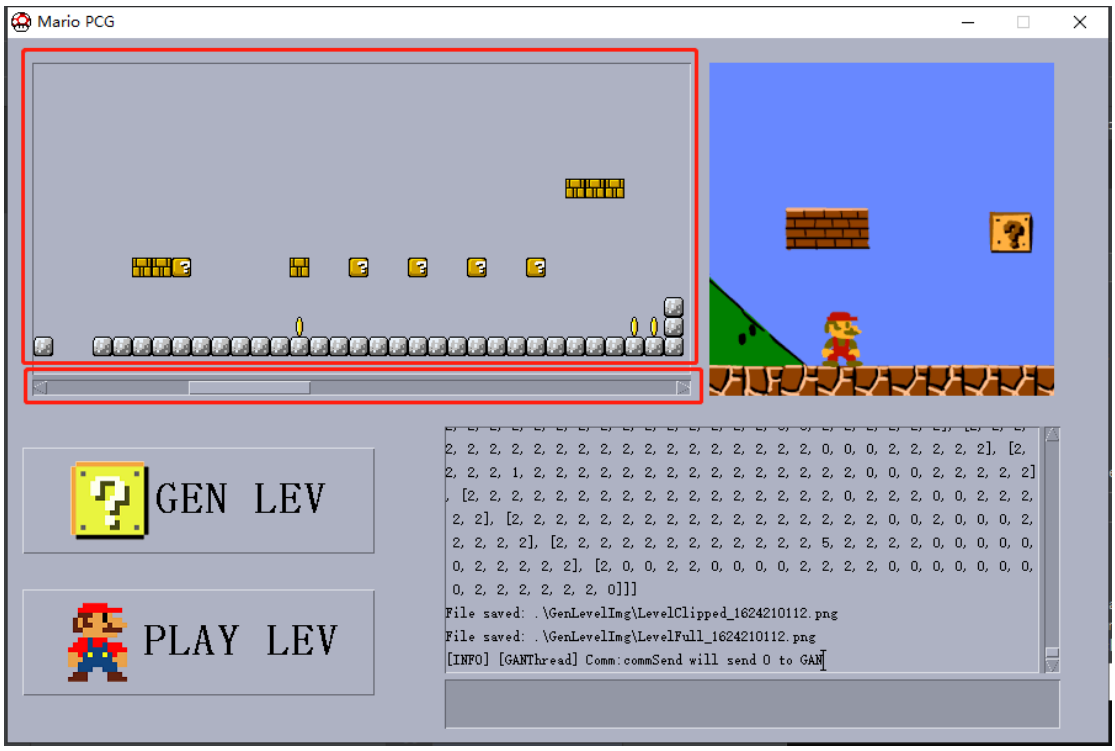
5. Enter root directory of the project ("…/MarioPCG/"), you can find a jar file: "**marioaiPCG.jar**"

6. Execute command "**java -jar marioaiPCG.jar**" in terminal to run this jar

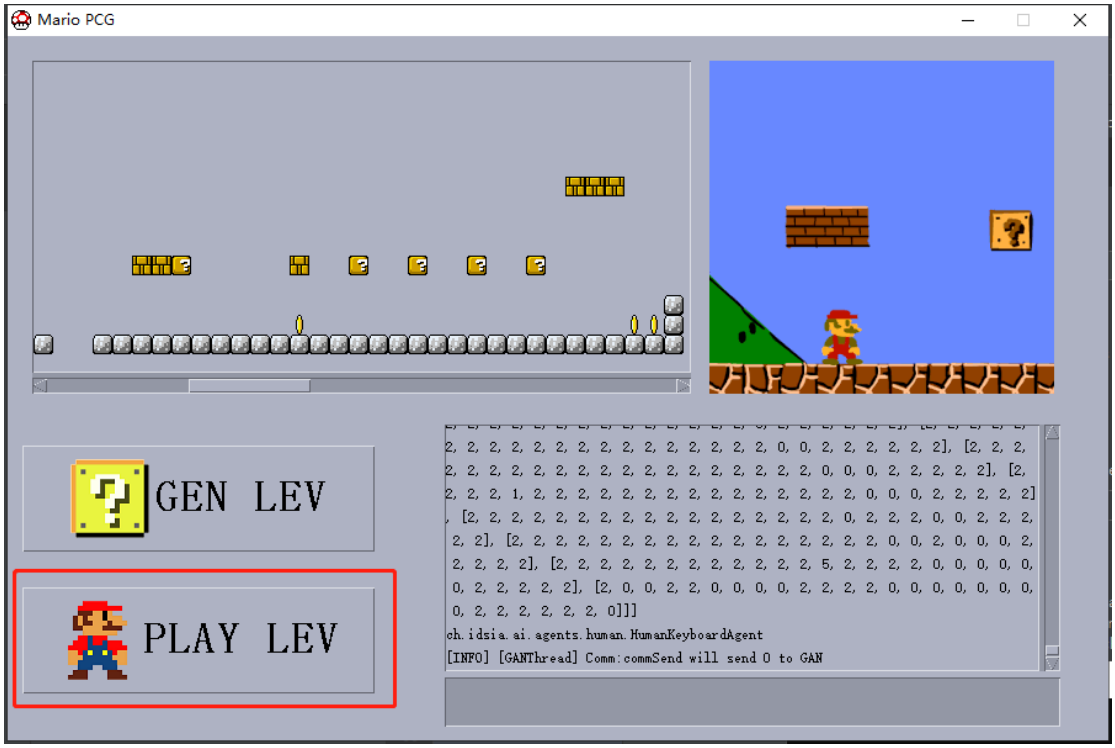
7. Click "**GEN LEV**" button to start evolution algorithm to generate a level:

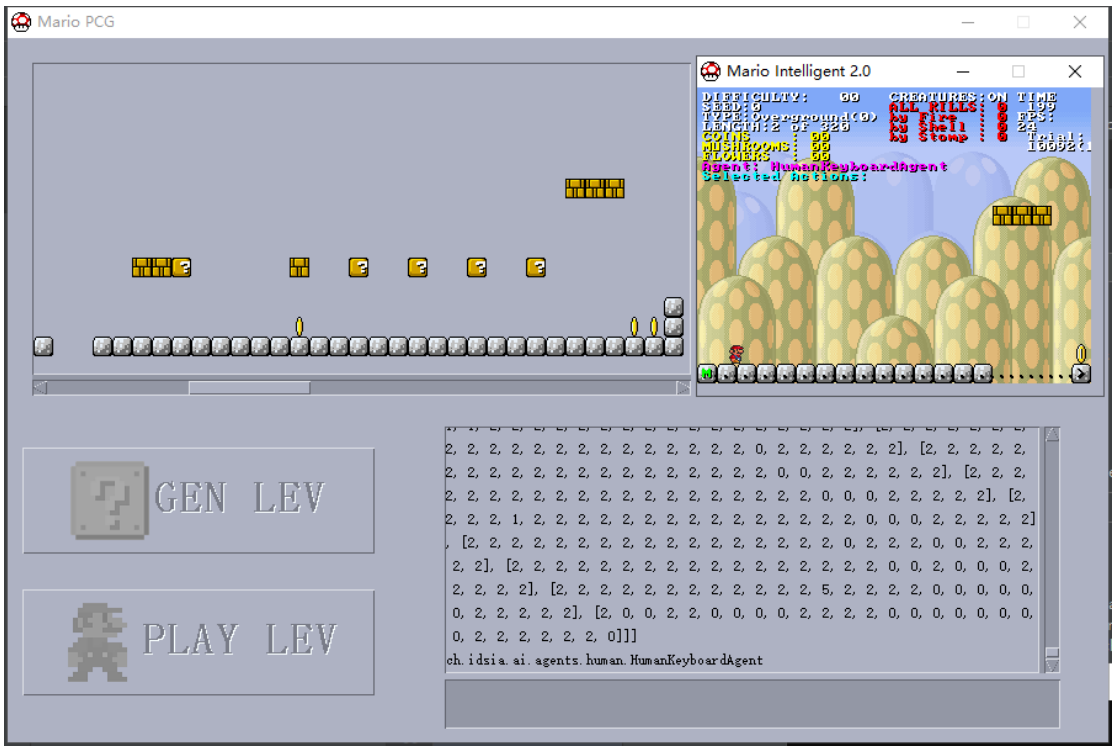
8.Wait for some minutes, you can see the generation progress and log here:

9. When finishing the level generation, you can preview new level here:



10.Click "**PLAY LEV**", let's play it now!




Mario PCG
Mario Intelligent 2.0
DIFFICULTY: 00
SEED:0
TYPE:Overground(0)
LENGTH:2 of 320
COINS : 00
MUSHROOMS: 00
FLOWERS : 00
CREATURES:ON
ALL KILLS: 0
KJ Fire : 0
KJ Shell : 0
KJ Stomp : 0
TIME
195
FPS:
24
Total:
Agent: HumanKeyboardAgent
Selected Actions:
GEN LEV
PLAY LEV
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