CARLA AWS dev manual

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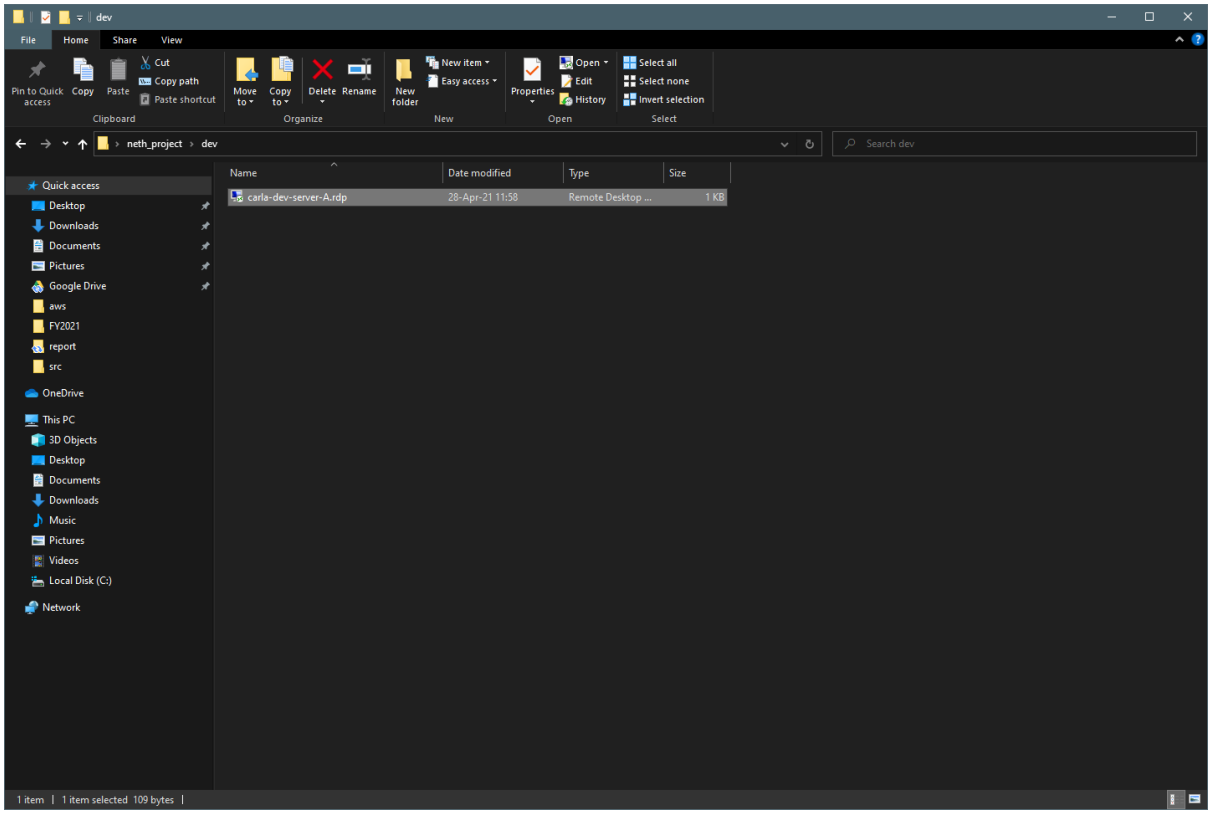
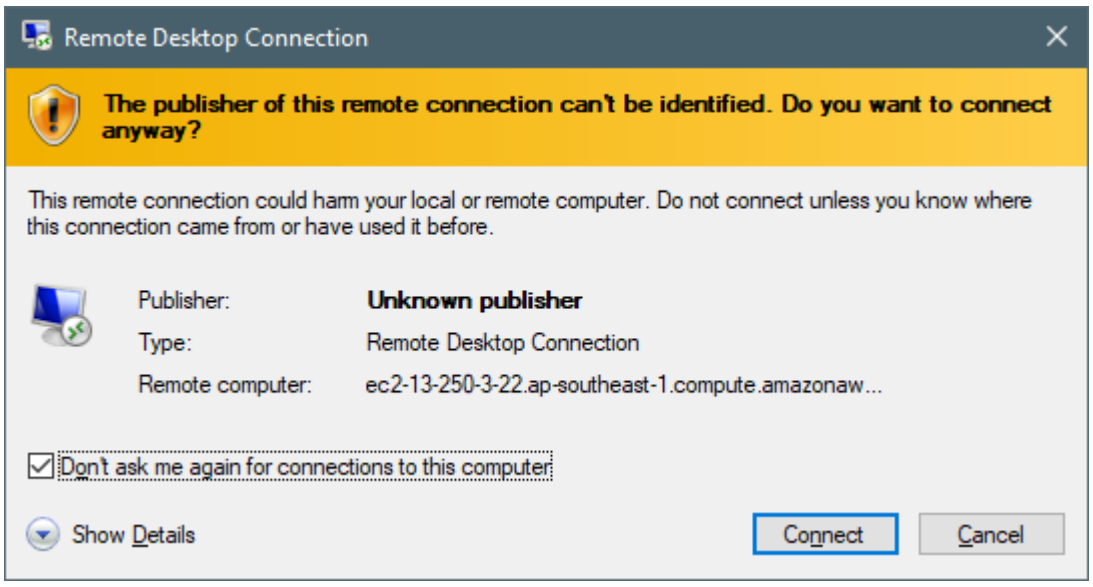
How to connect to AWS server

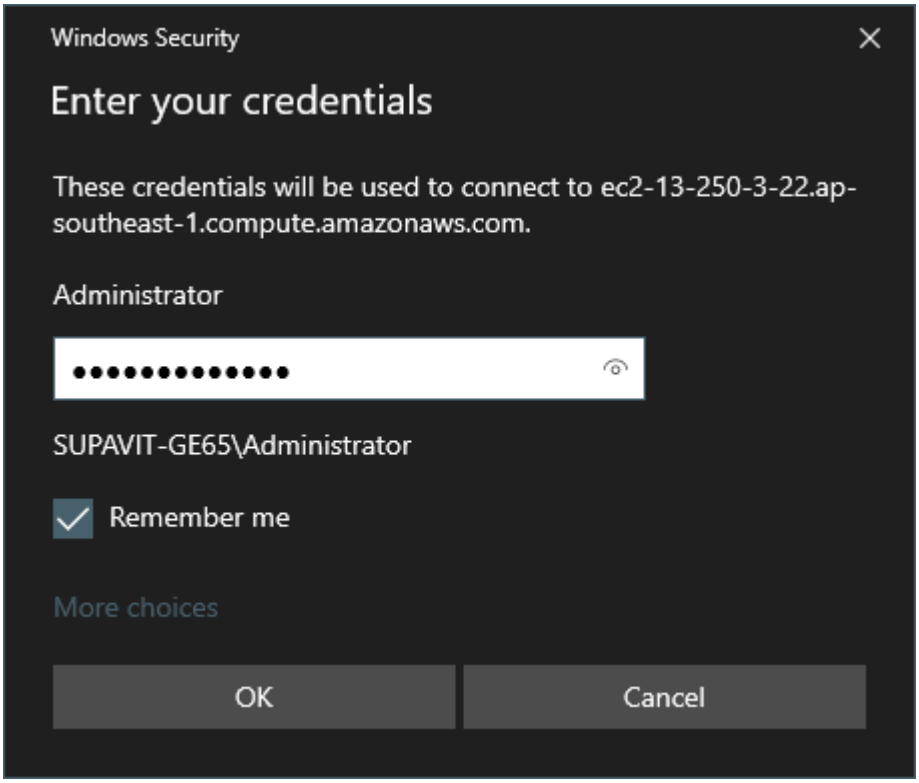
1. Execute remote desktop file.



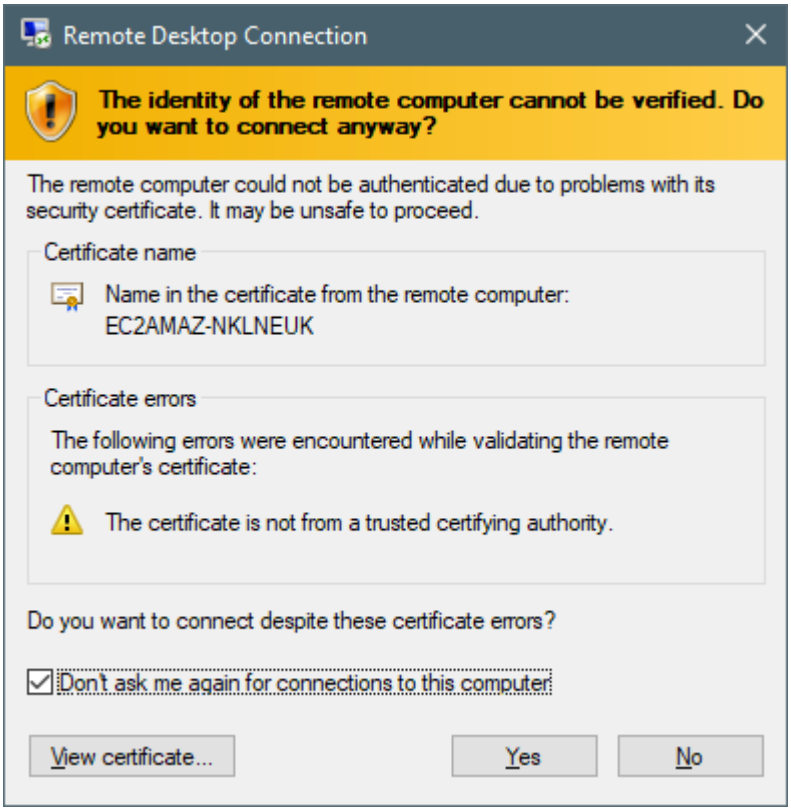
2. Select “Connect”.



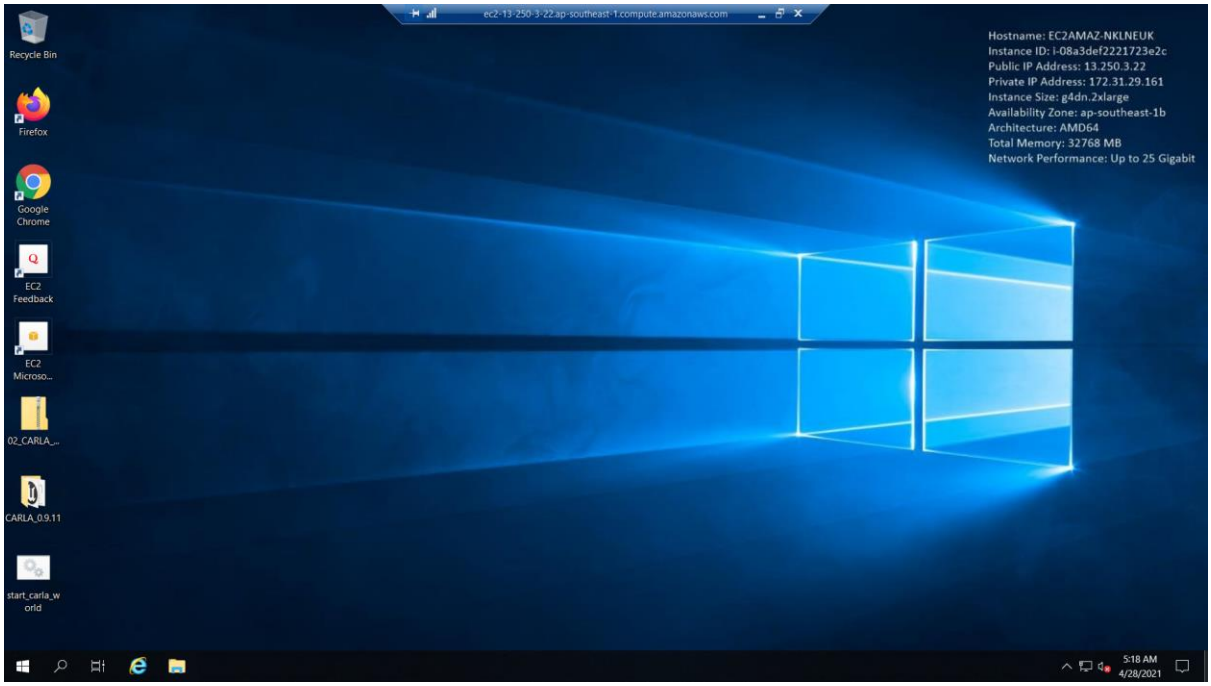
3. Type password “dev@NETH-TDET”.



4. Accept certificate by select “Yes”.



5. Wait until connect to windows screen.


ec2-13-250-3-22.ap-southeast-1.compute.amazonaws.com
Hostname: EC2AMAZ-NKLNEUK
Instance ID: i-08a3def2221723e2c
Public IP Address: 13.250.3.22
Private IP Address: 172.31.29.161
Instance Size: g4dn.2xlarge
Availability Zone: ap-southeast-1b
Architecture: AMD64
Total Memory: 32768 MB
Network Performance: Up to 25 Gigabit
Recycle Bin
Firefox
Google Chrome
EC2 Feedback
EC2 Microso...
02_CARLA_...
CARLA_0.9.11
start_carla_world
5:18 AM
4/28/2021

How to run CARLA world

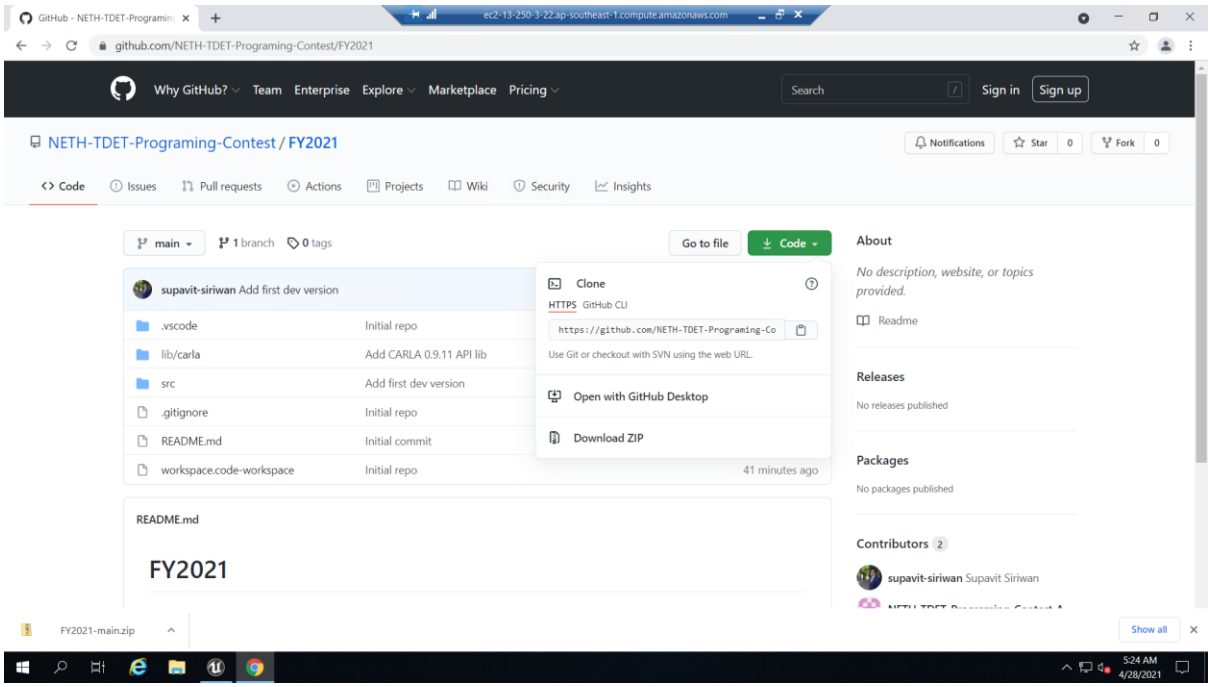
1. Double click “start_carla_world.bat”.

2. Wait until CARLA world open.

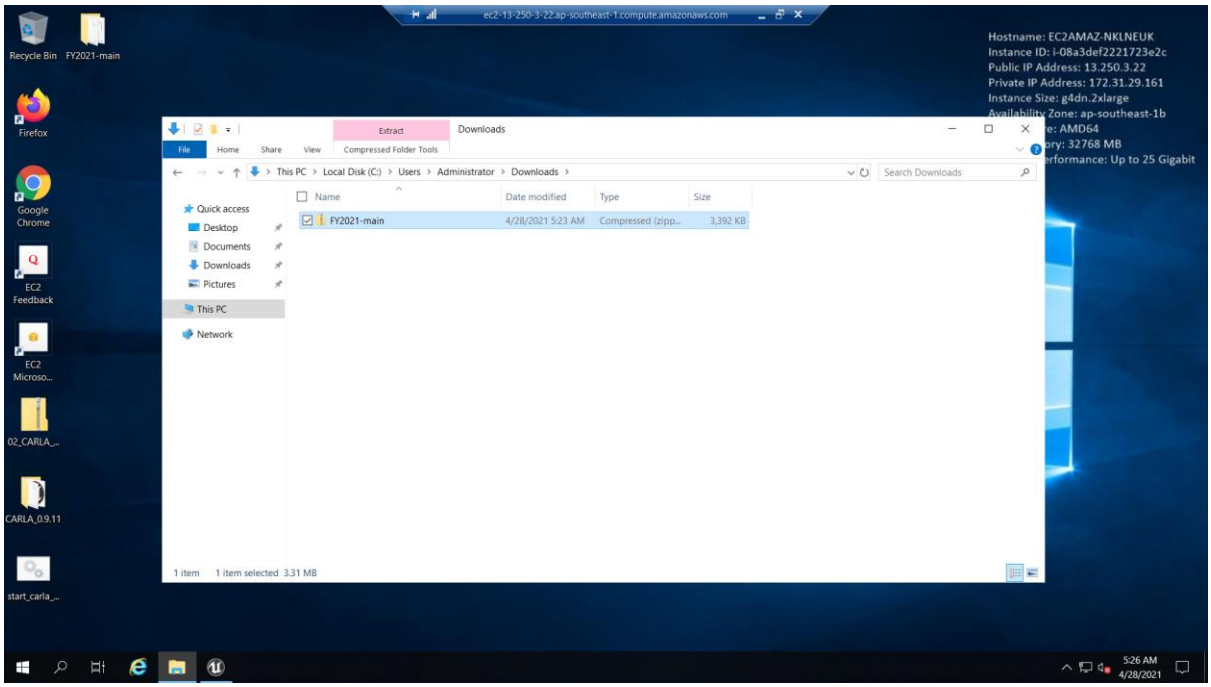
How to start development

How to download template source code

1. Download source code from https://github.com/NETH-TDET-Programing-Contest/FY2021

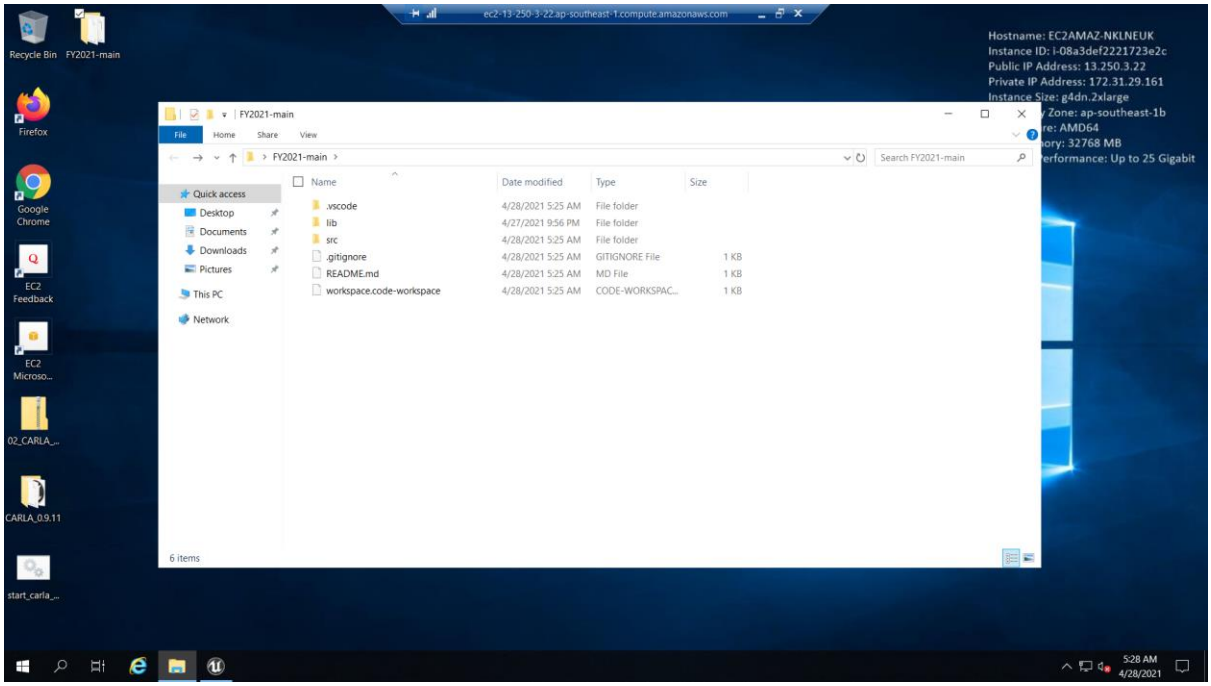


2. Extract “FY2021-main” at Desktop.

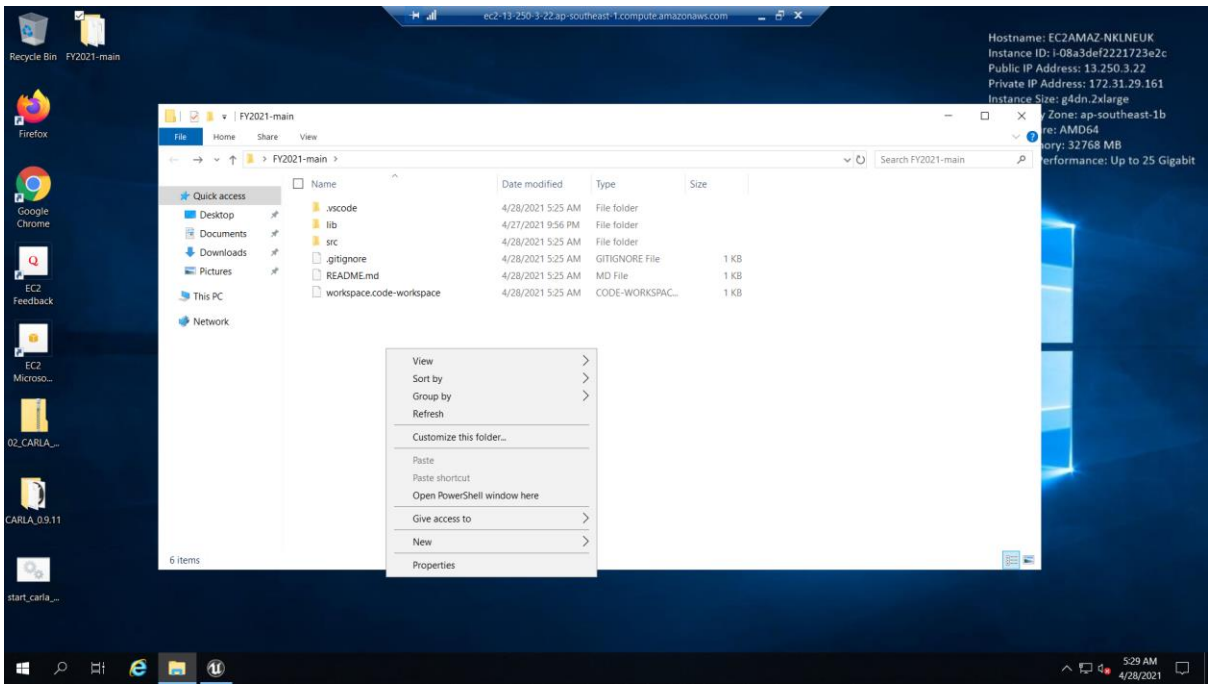


How to run sample source code

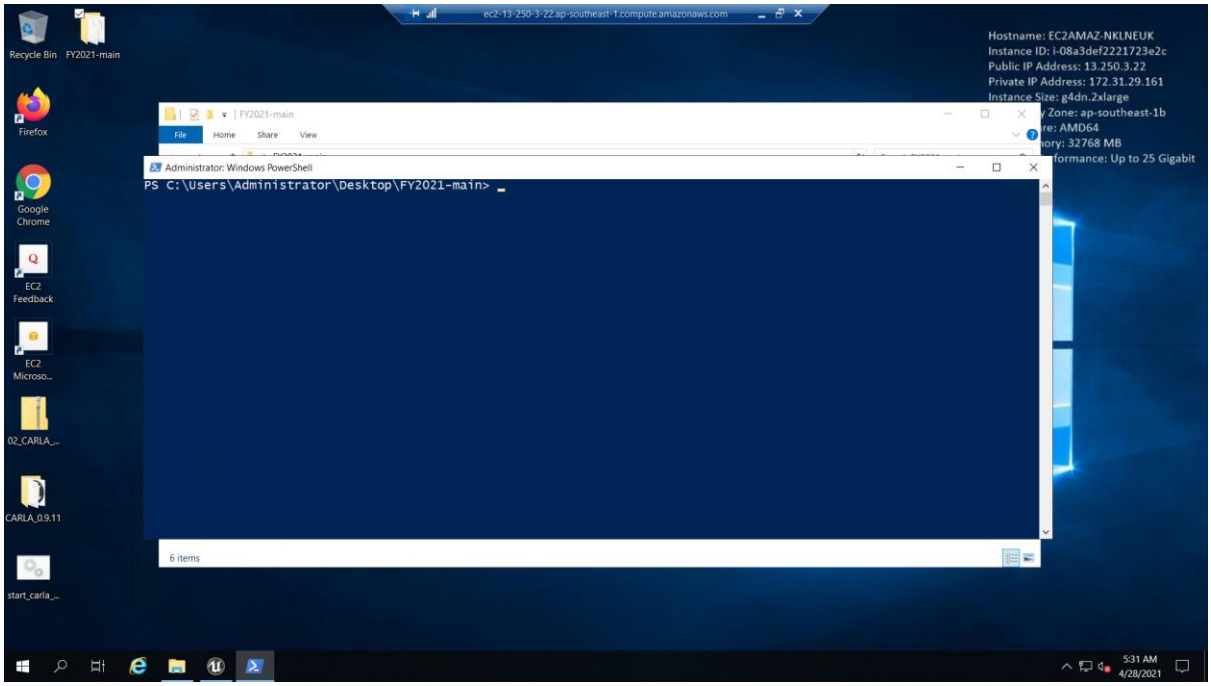
1. Enter “FY2021-main” at Desktop.



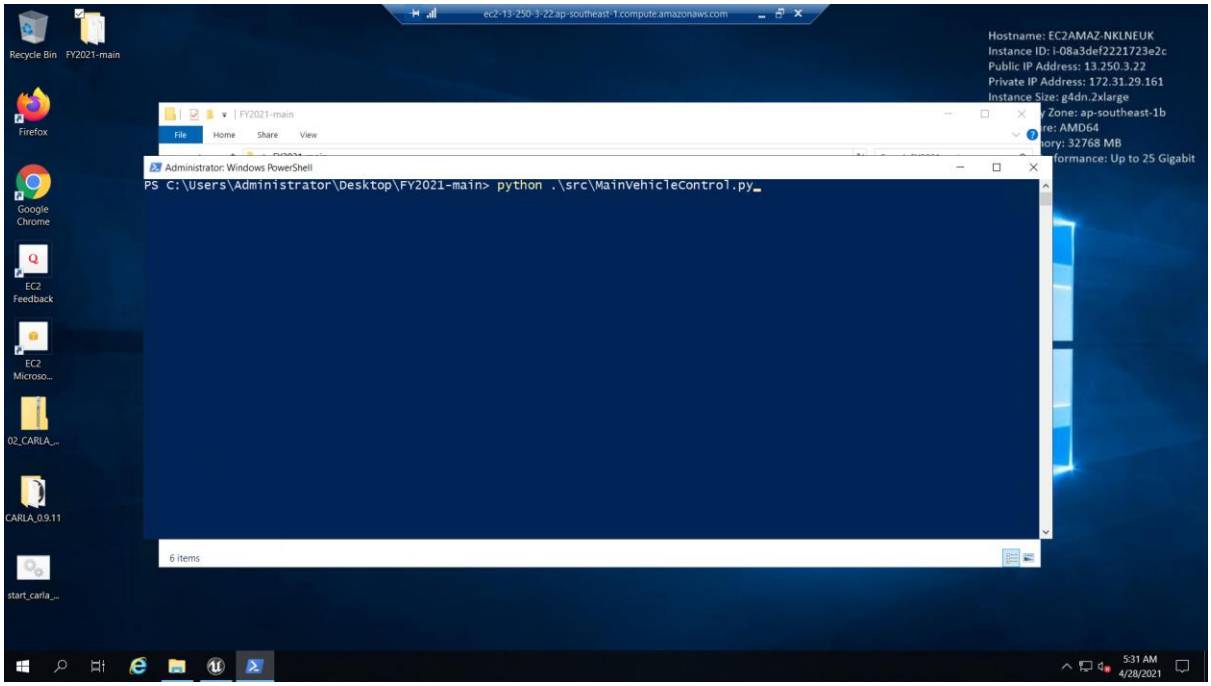
2. Use “Shift+Right click” to open PowerShell windows”.



3. Path in power shell must be “C:\Users\Administrator\Desktop\FY2021-main”



4. Type “python .\src\MainVehicleControl.py”. Then enter to run sample code.

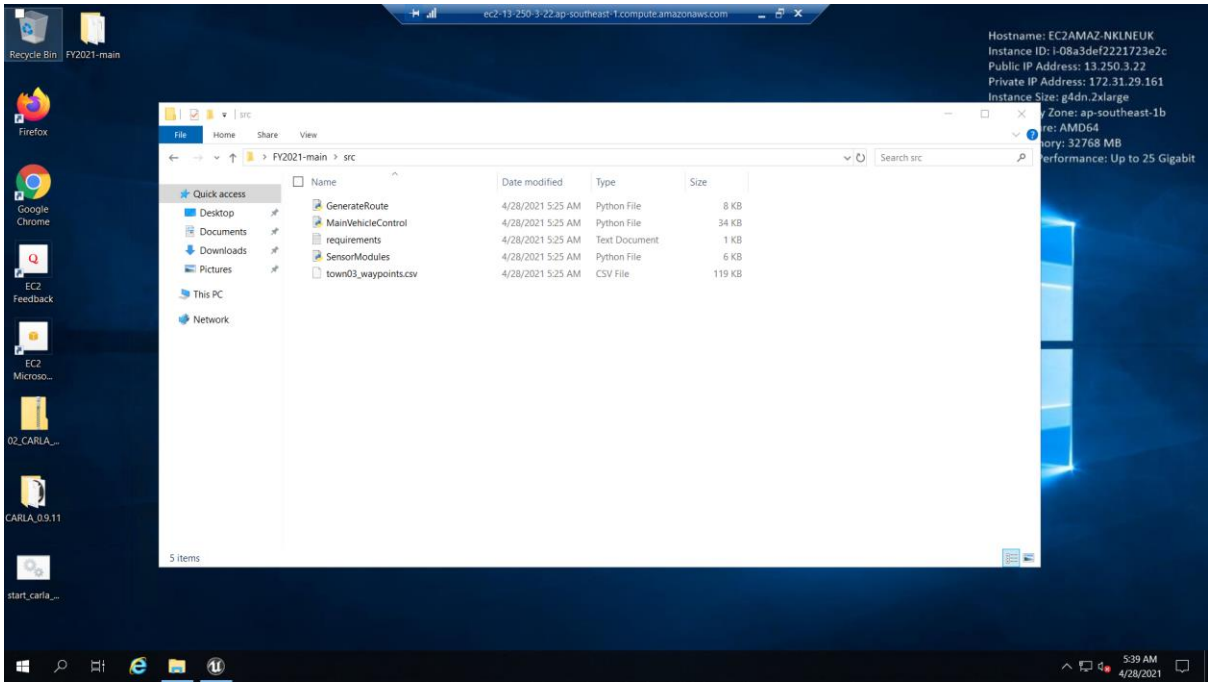
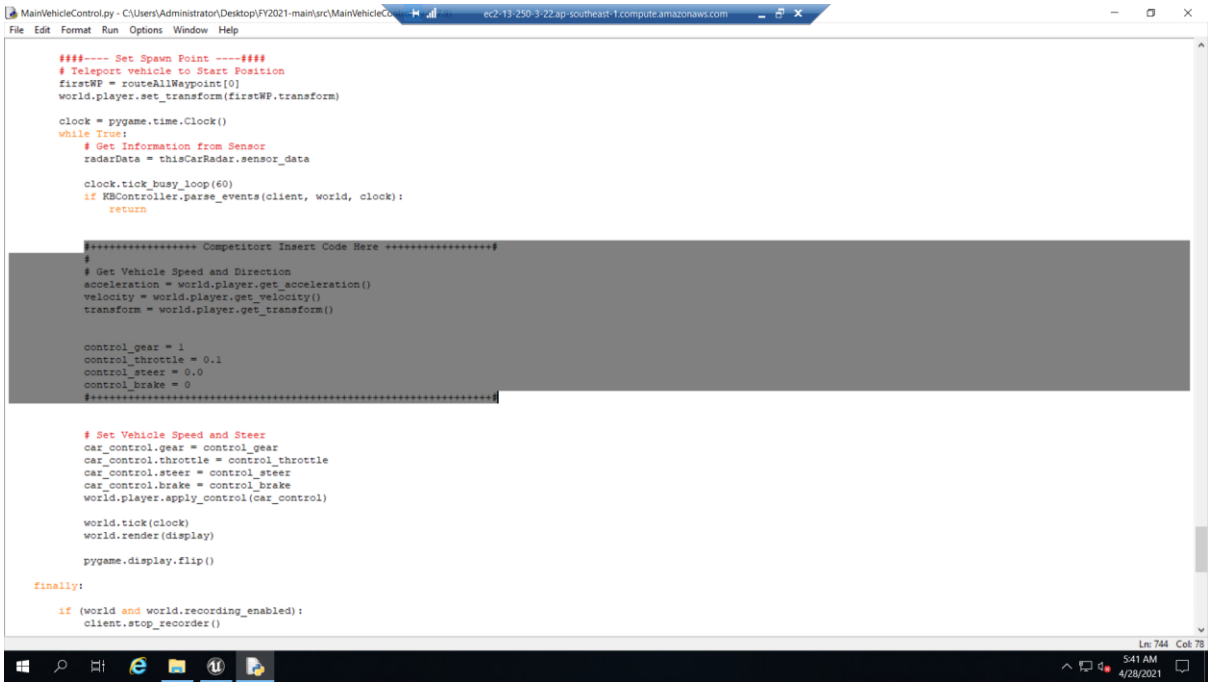


5. Wait until car wondow display.

ec2-13-250-3-22.ap-southeast-1.compute.amazonaws.com
pygame window
Recycle Bin
Firefox
Google Chrome
EC2 Feedback
EC2 Microso...
02_CARLA_...
CARLA_0.9.11
start_carla_...
CARLA
Up to 25 Gigabit
5:33 AM
4/28/2021

How to edit source code

1. Source code and waypoints are in “src” folder.



2. You can start development in “MainVehicleControl.py” file. In “Competitor block” below at line 732.