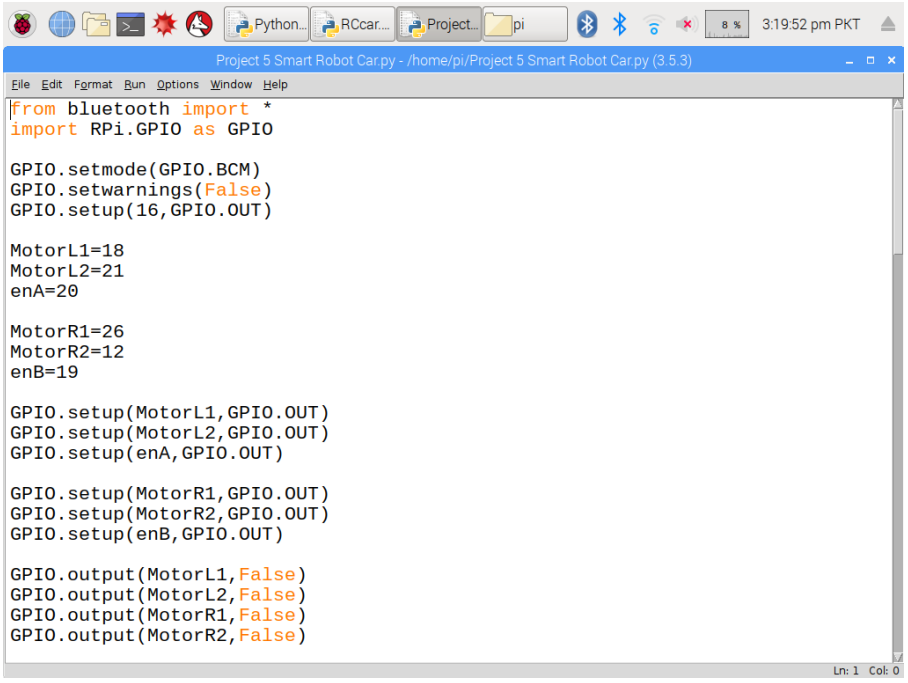
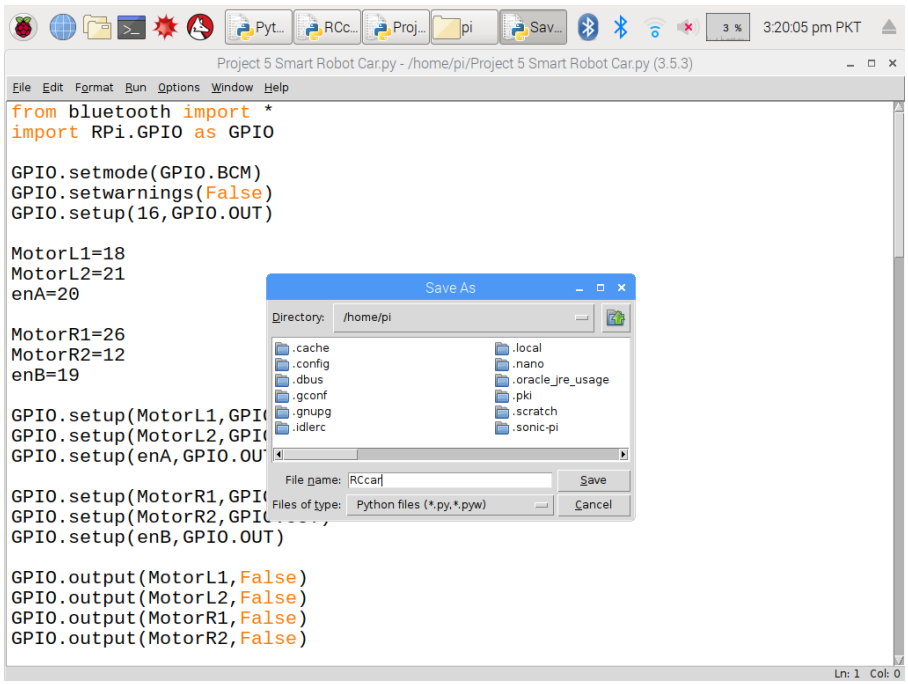
MAKING YOUR RASPBERRY PI BOOTLOAD TO CONTROL BUMBLEPI

Step 1:

- Open your Bluetooth RC car code on Python 3.

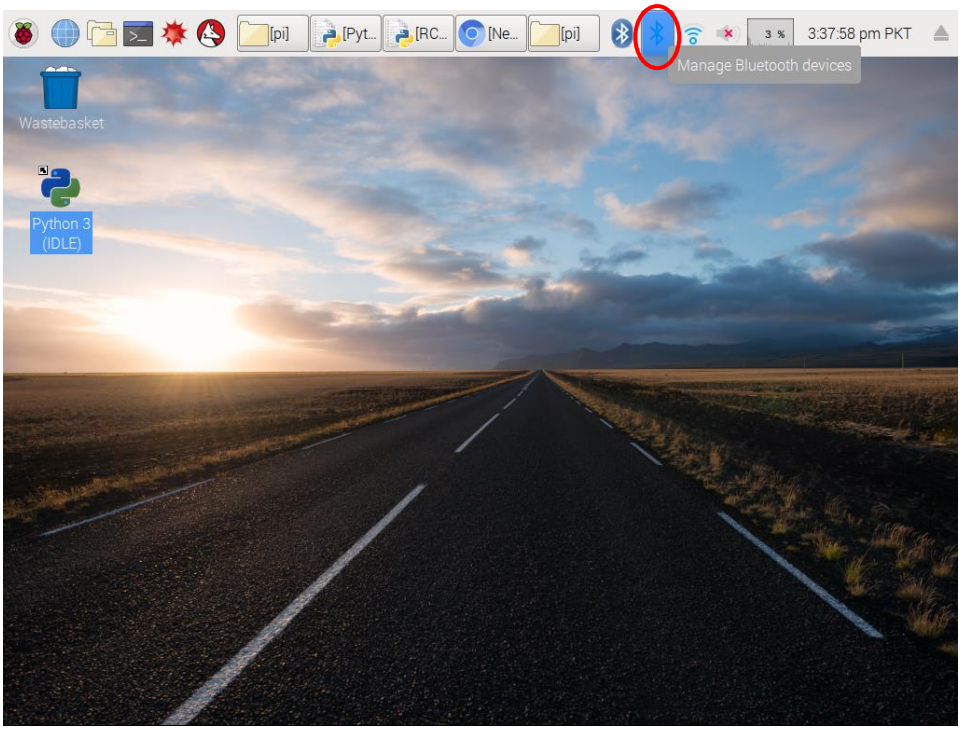


- Save it as RCcar.py

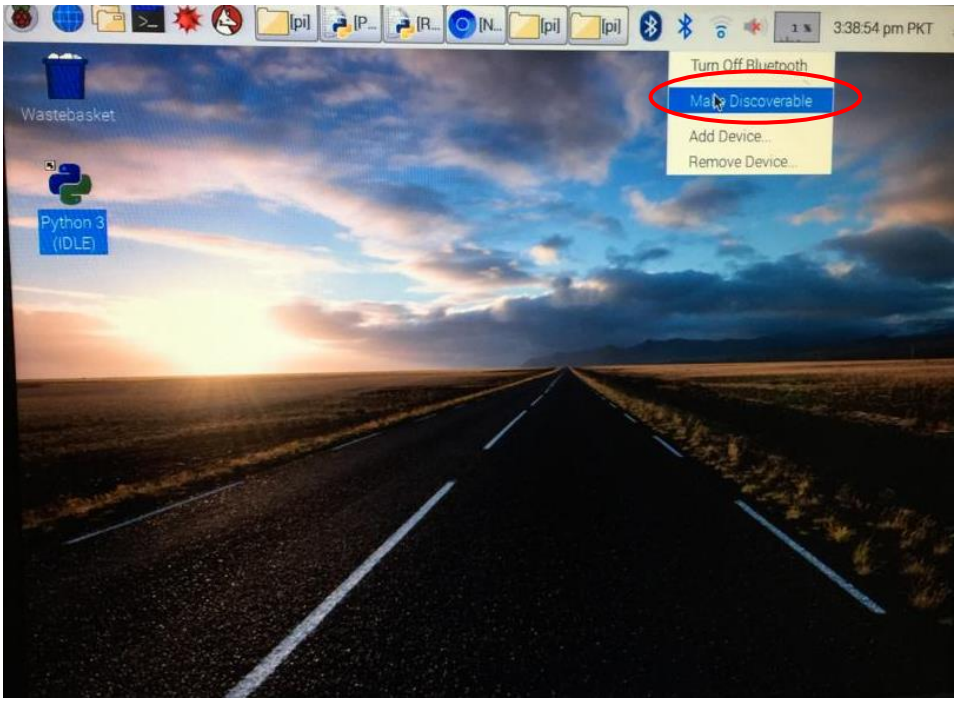


Step 2 (Connect Bluetooth):

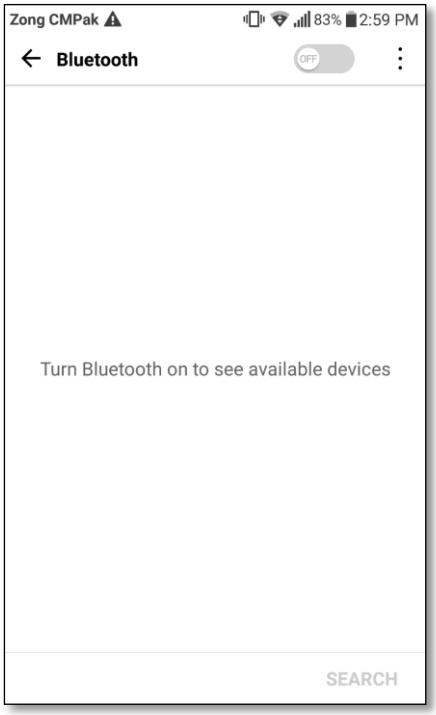
- Click on Manage Bluetooth devices icon.

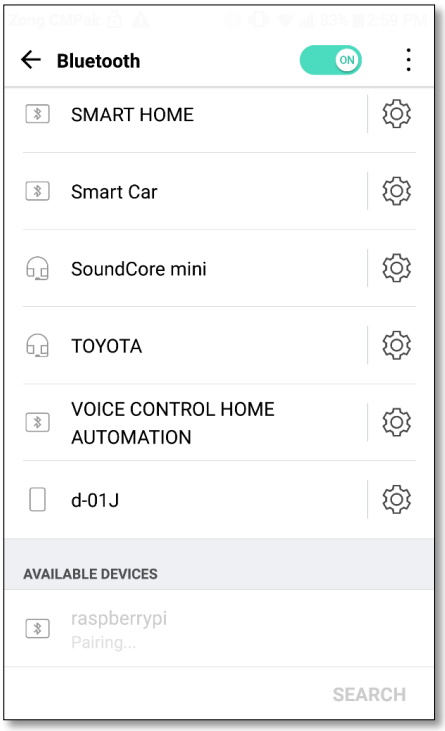


- Make your RaspberryPi's Bluetooth discoverable.

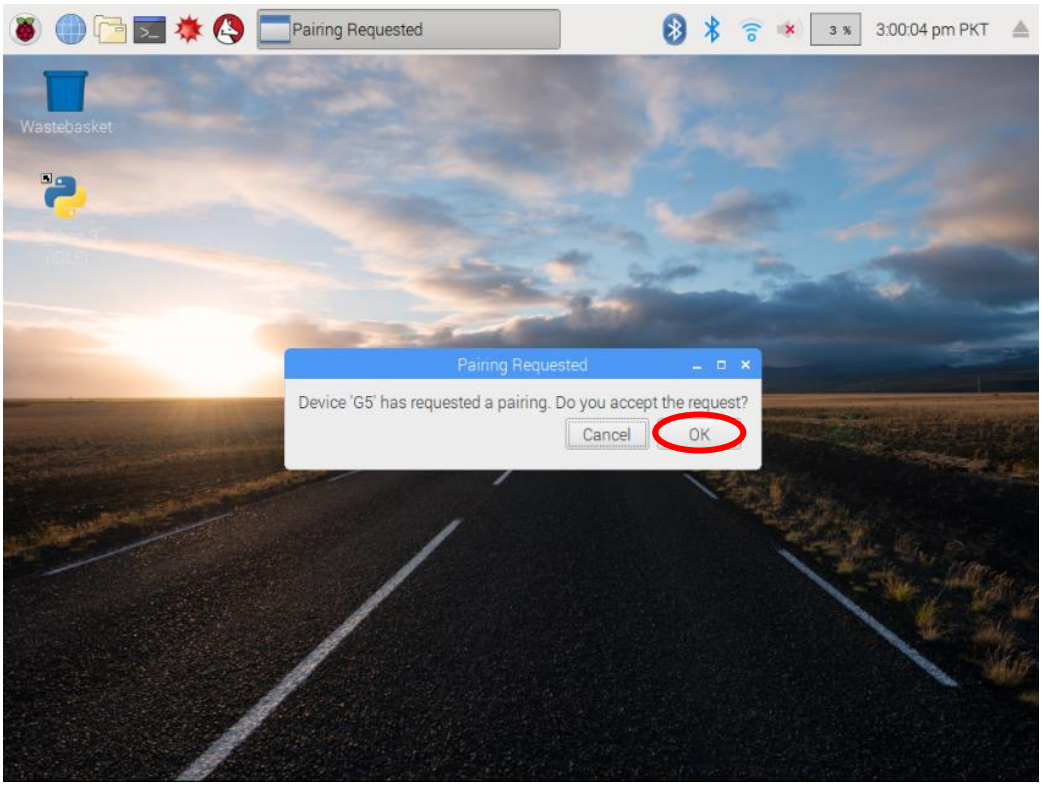


- Turn on Bluetooth from your smart phone, search devices and select “raspberrypi” from available devices.

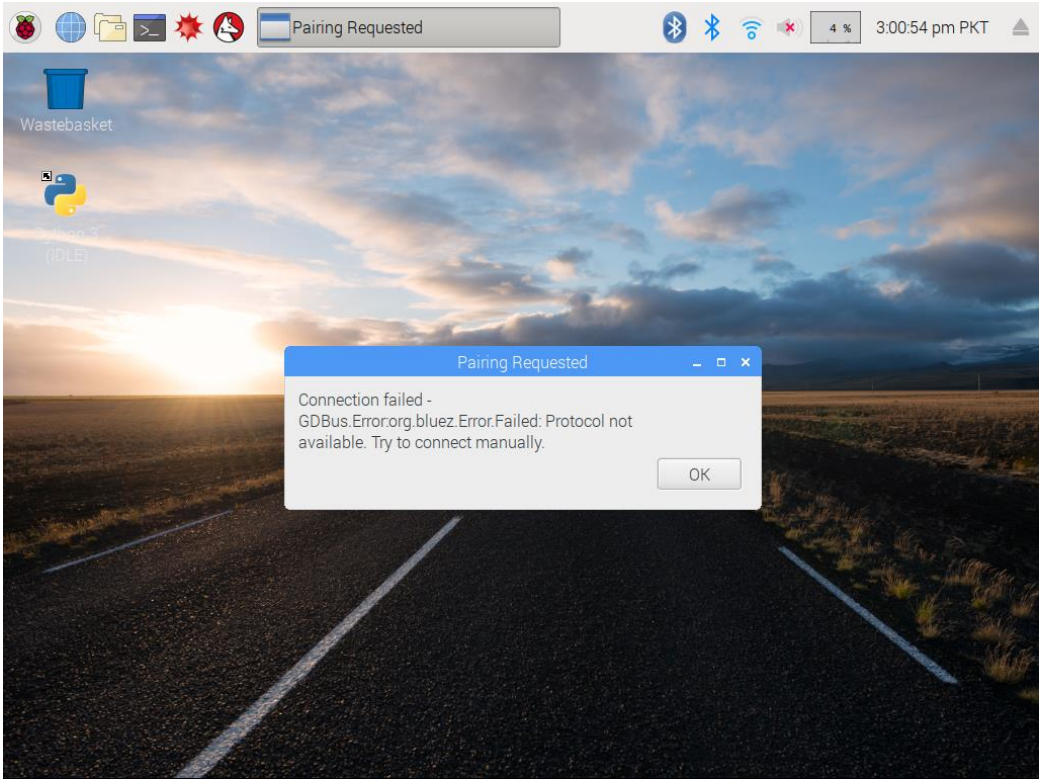




- Pair your device with raspberry pi by clicking ‘OK’.

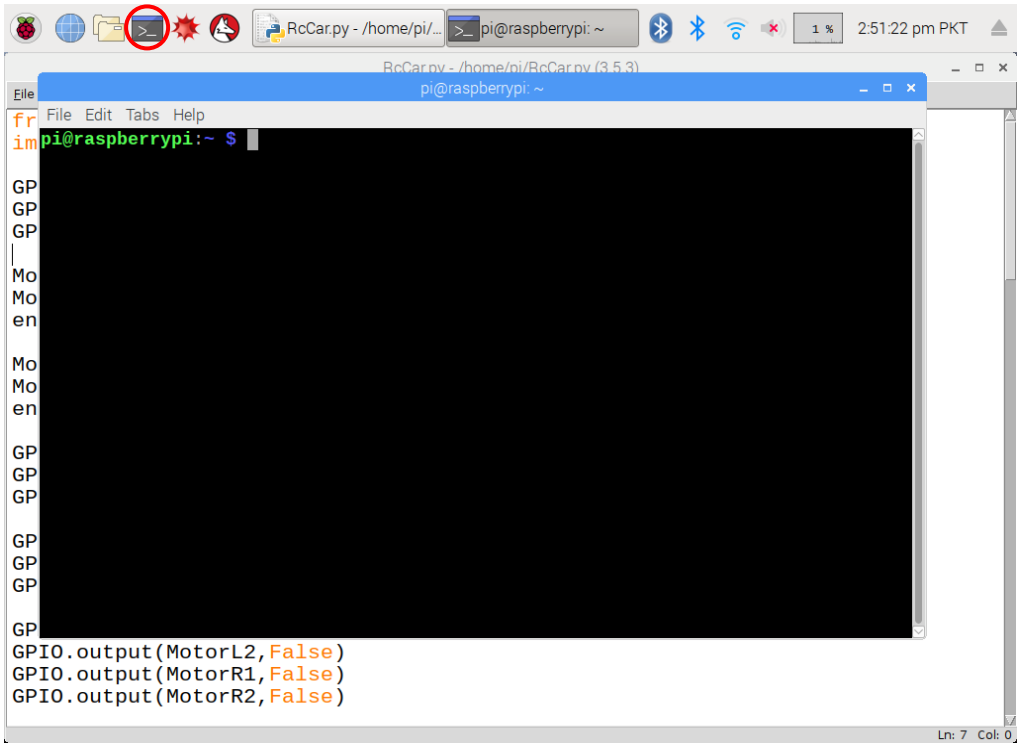


- This message shows that you're paired with raspberry pi and not connected yet. Click 'OK'.

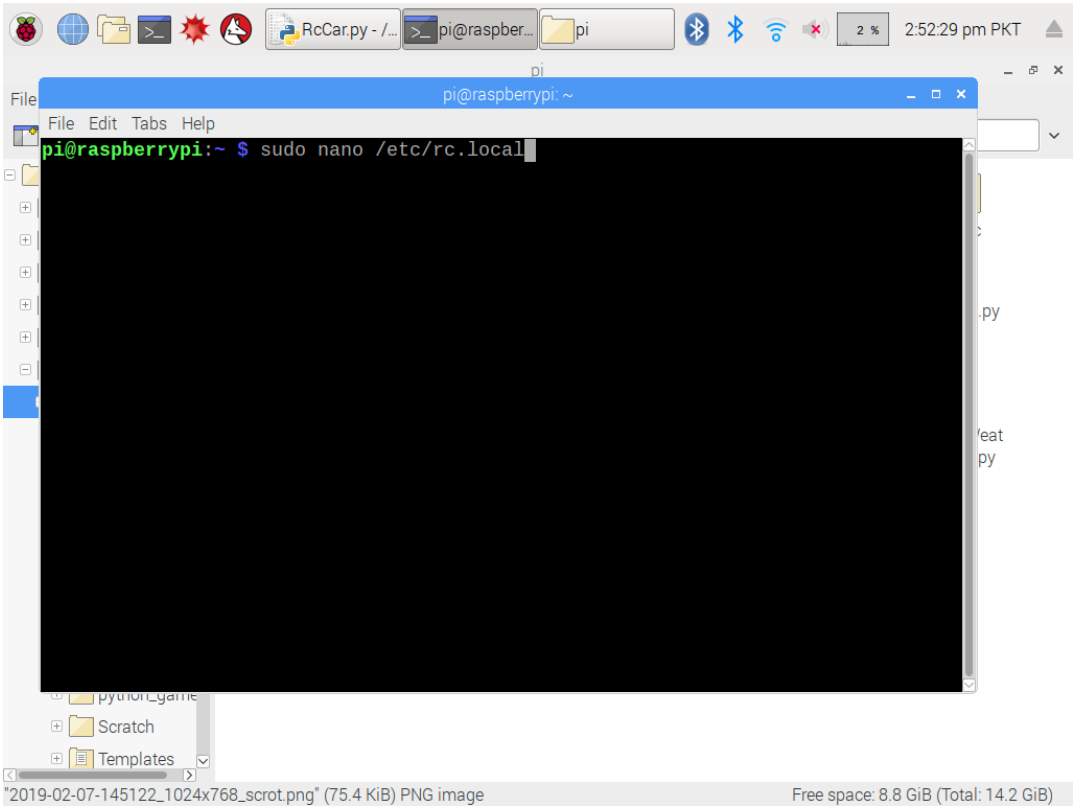


Step 3 (Making BOOTLOAD):

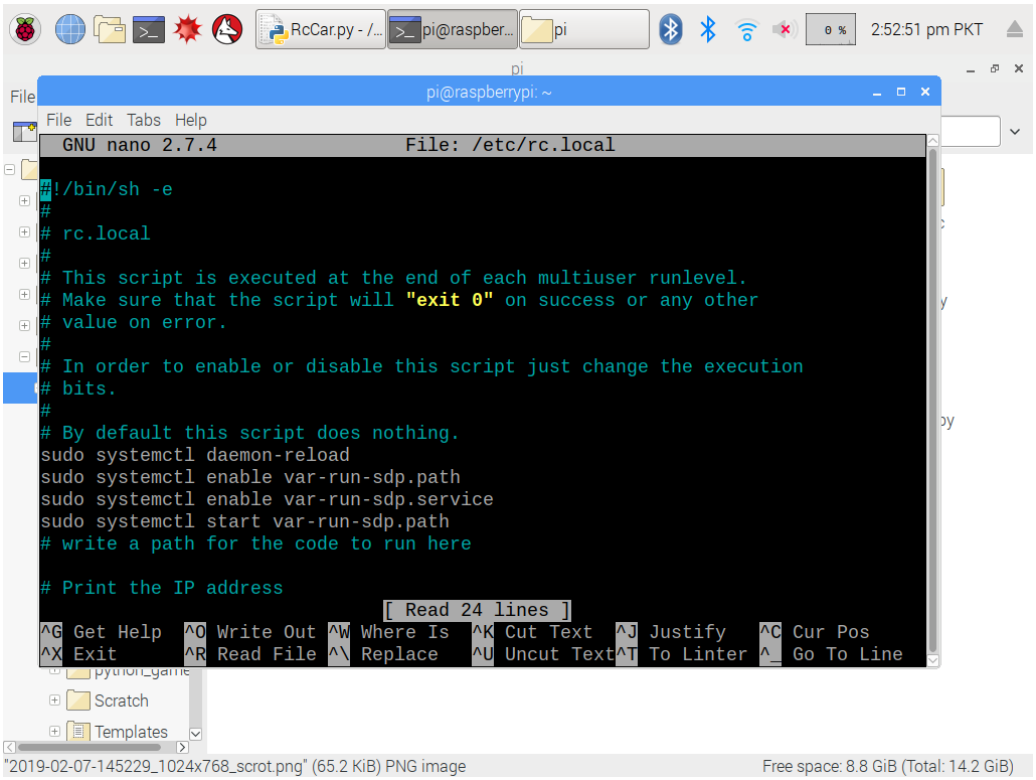
- Open Terminal window.



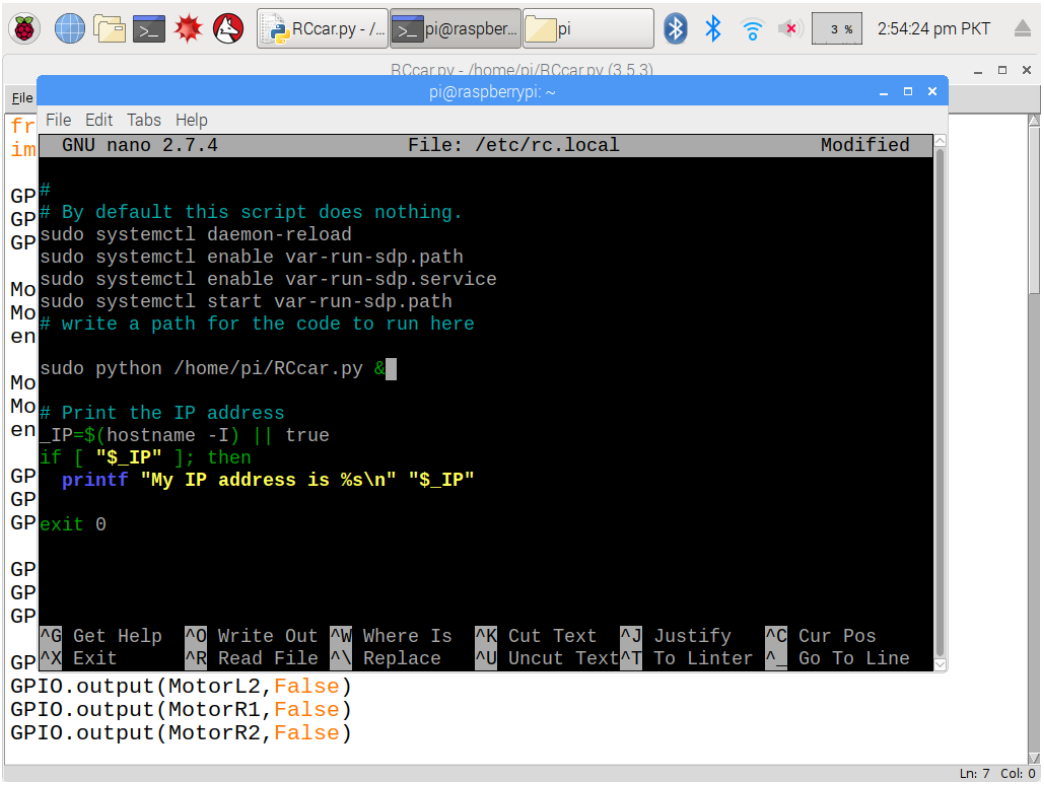
- Type “**sudo nano /etc/rc.local**” and press enter.



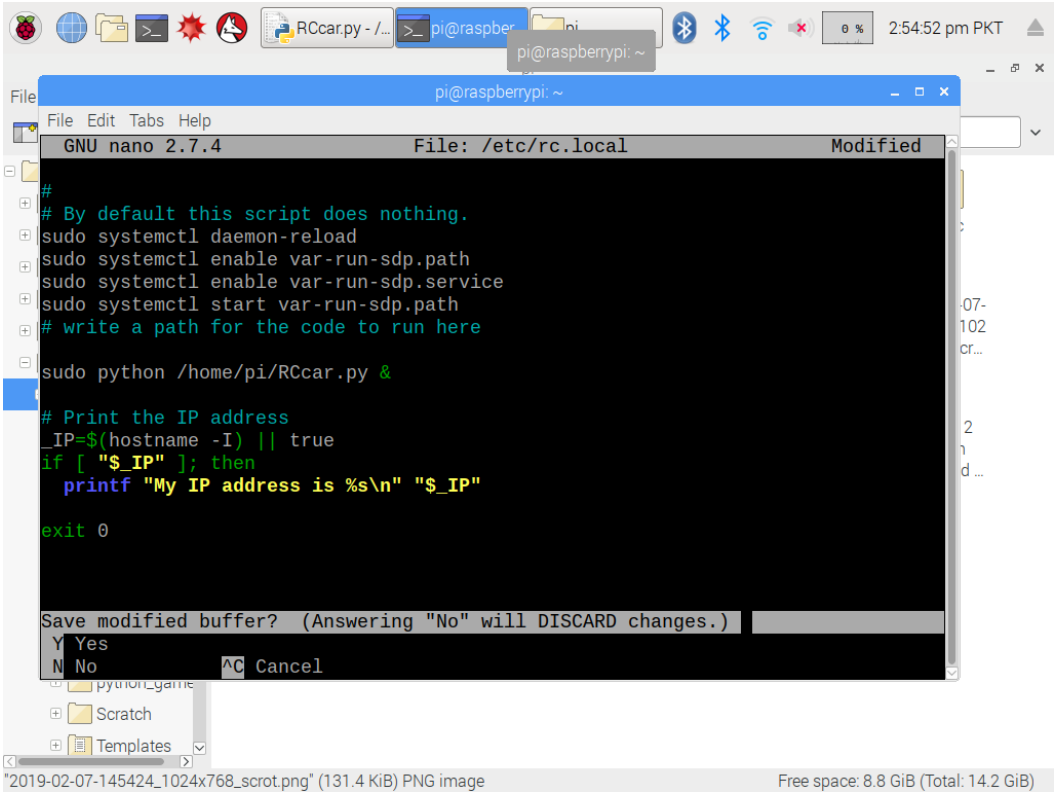
- Following script will appear(image):



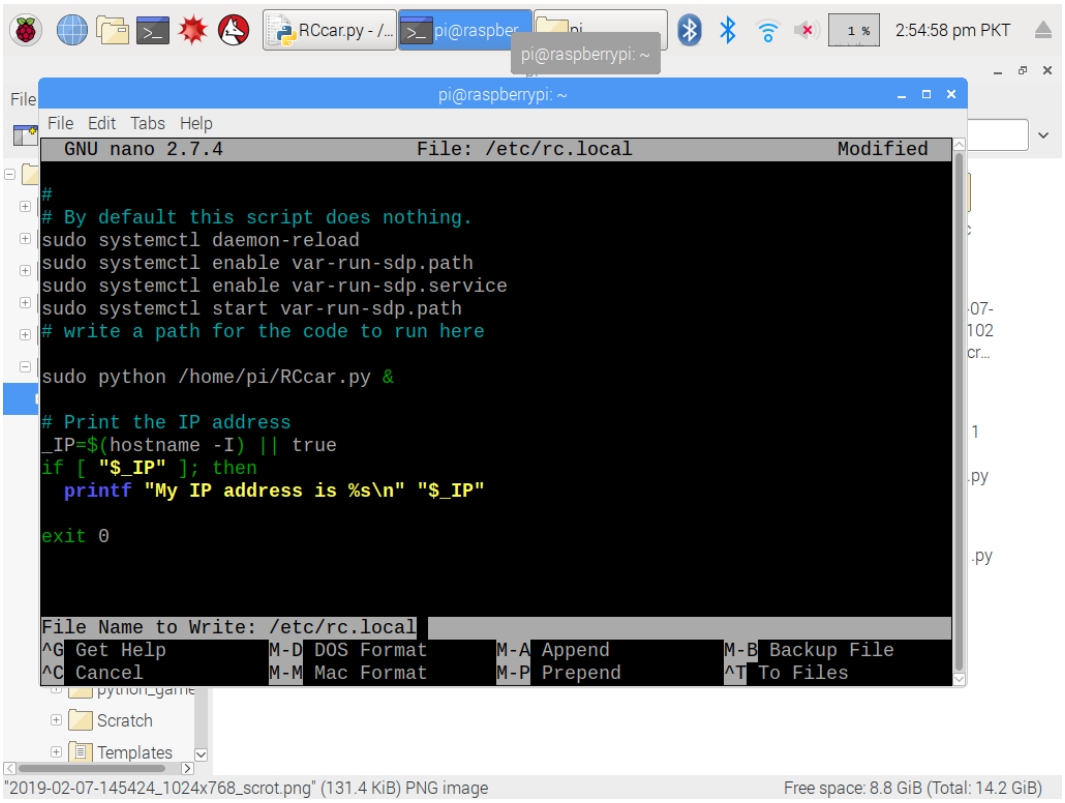
- Go to the next line of “**# write a path for the code to run here**”. Type path as : “**sudo python /home/pi/RCcar.py &**”. And then press **ctrl+x.**



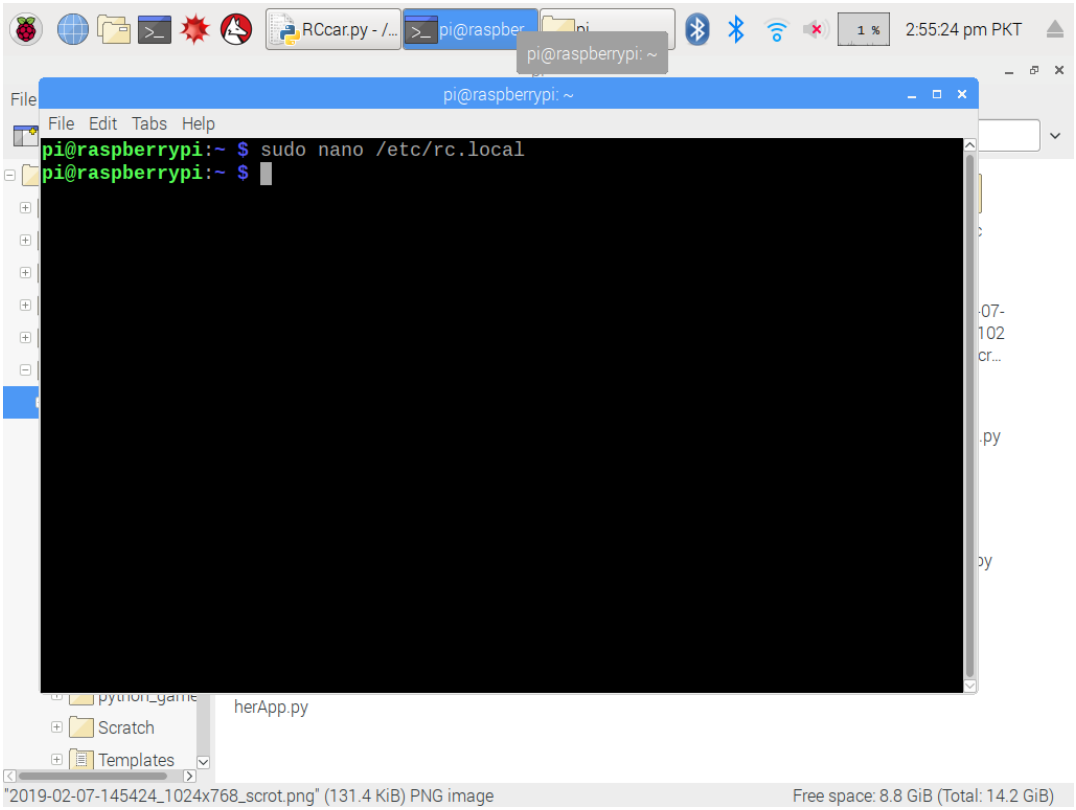
- Press ‘**Y**’ to save it.



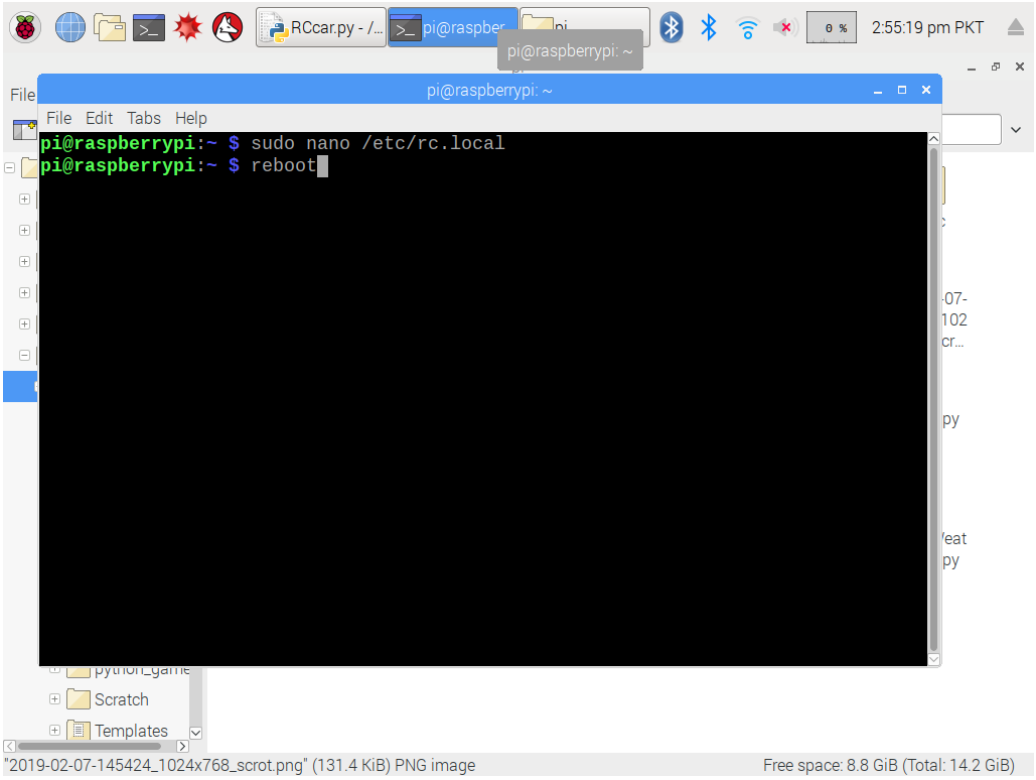
- Press **enter.**



- Then you see terminal window.

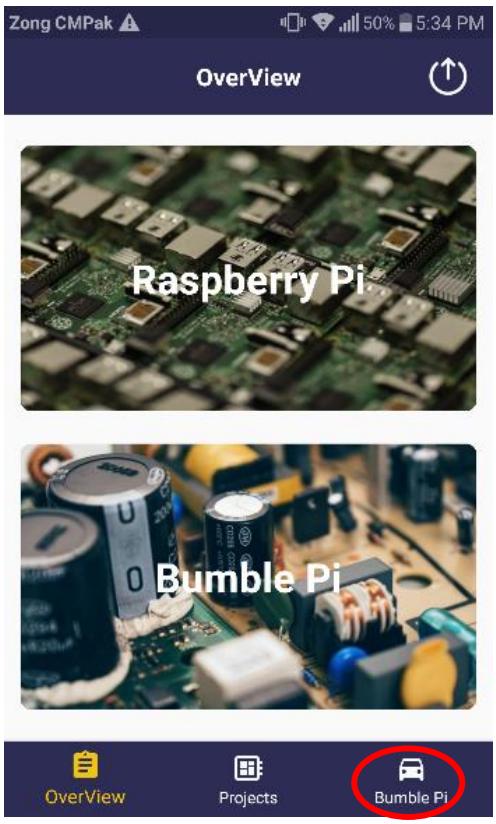


- Then reboot your raspberrypi. Type “**reboot”** then press **enter** and remove hdmi cable and connect motors to bumblePi shield.

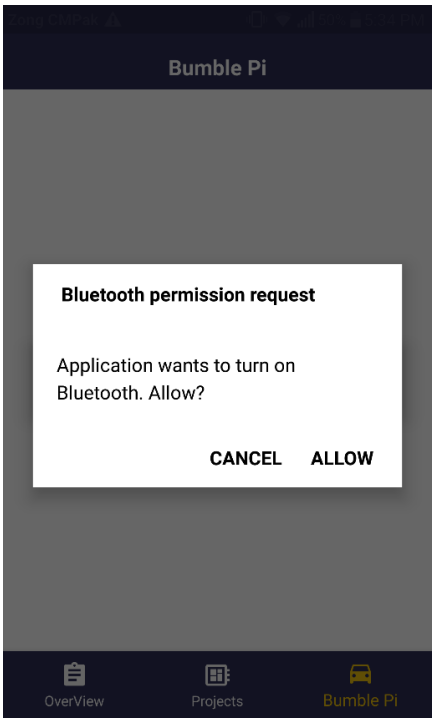


Step 4 (Connect BumblePi with Mobile App):

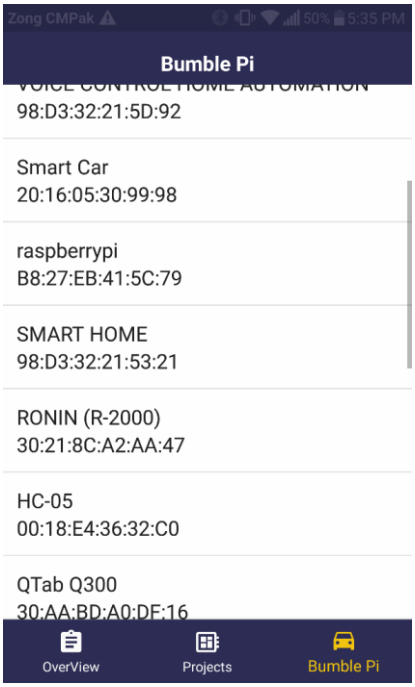
- Open TechTree BumblePi Application and Select "**Bumble Pi**".



- Select **Allow** to turn on Bluetooth.



- After a while paired Bluetooth devices names appear on screen and then select “raspberrypi” device.



- Car Controlling screen will appear and the **Blue LED** on your bumblepi shield will turn off it means your Bluetooth connection is successful now you can control your car from your smartphone.
  If **BlueLED** doesn’t turn off it means you’re not connected with raspberry pi so reboot your raspberrypi by turn off its switch and then repeat from step 4.