

CULTIVATION SYSTEM DEVELOPMENT PH.4 COURSE

8

APPENDIX

First edition



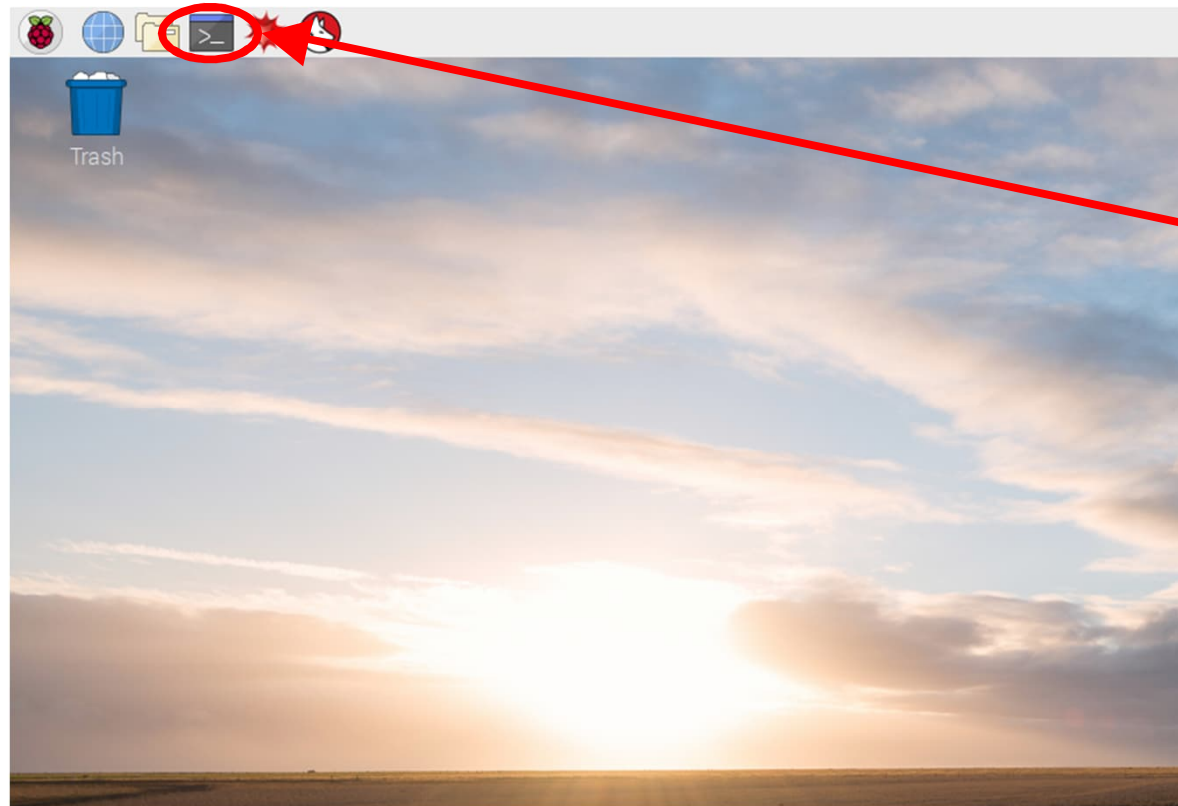
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➤ Install the opencv library for the Python

1. INSTALL THE OPENCV LIBRARY FOR THE PYTHON

Library installation procedure



Open the terminal.

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```
pi@raspberrypi:~ $ sudo apt update
```

Update system package list

Type "sudo apt update" and press Enter.

File Edit Tabs Help

```
pi@raspberrypi:~ $ sudo apt upgrade
```

Upgrade all installed packages to the latest version

Type "sudo apt upgrade" and press Enter.

File Edit Tabs Help

```
pi@raspberrypi:~ $ sudo apt clean
```

Clear package cache

Type "sudo apt clean" and press Enter.

File Edit Tabs Help

```
pi@raspberrypi:~ $ sudo apt install libavutil56 libcairo-gobject2 libgtk-3-0 libpango-1.0-0 libavcodec58  
libcairo2 libswscale5 libtiff5 libatk1.0-0 libavformat58 libgdk-pixbuf2.0-0 libpangocairo-1.0-0 libwebp6  
libatlas-base-dev libjasper-dev libatlas3-base
```

Type “sudo apt install libavutil56 libcairo-gobject2 libgtk-3-0 libpango-1.0-0 libavcodec58 libcairo2 libswscale5 libtiff5 libatk1.0-0 libavformat58 libgdk-pixbuf2.0-0 libpangocairo-1.0-0 libwebp6 libatlas-base-dev libjasper-dev libatlas3-base” and press Enter.

File Edit Tabs Help

```
pi@raspberrypi:~ $ sudo pip3 install opencv-python
```

Type “sudo pip3 install opencv-python” and press Enter.

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