How to flash sd card for our projet
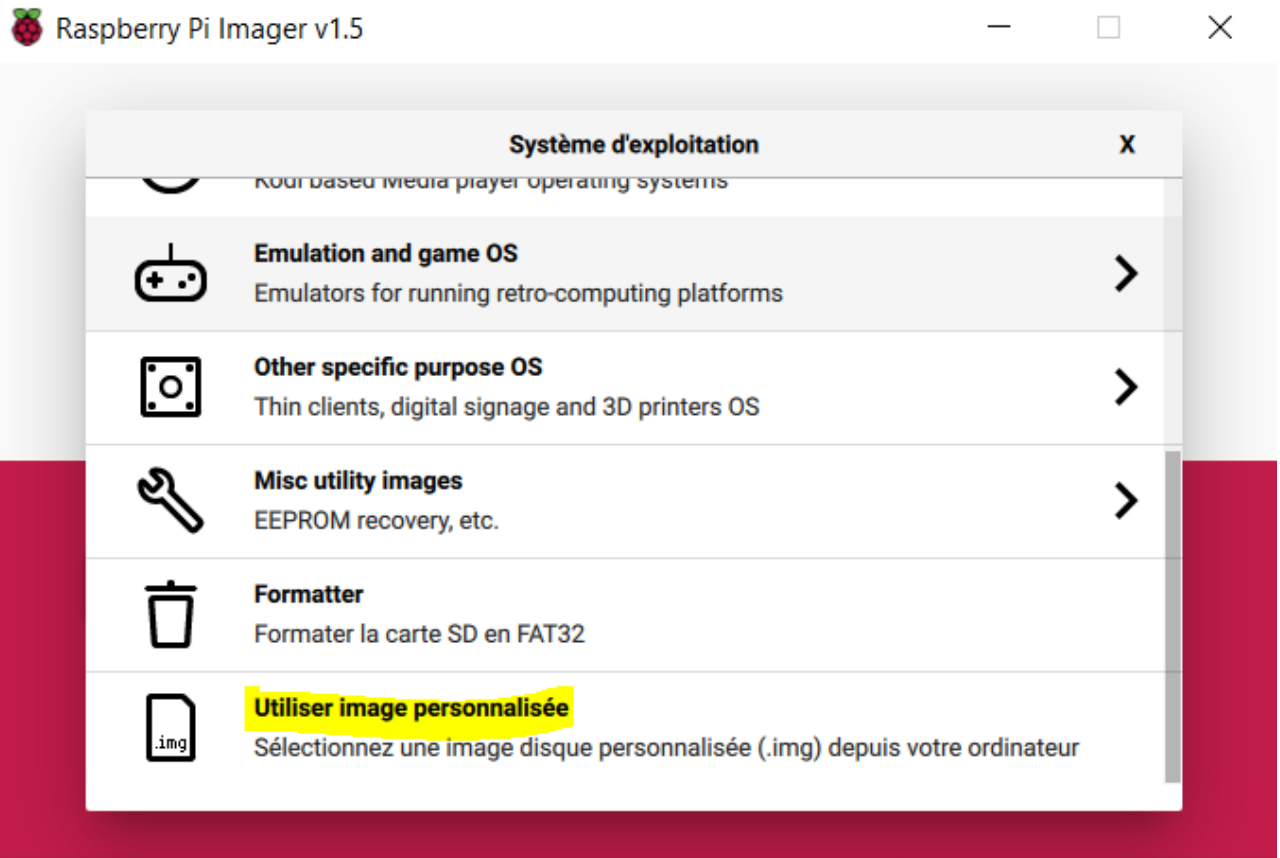
On your Laptop

- download the image: ubuntu-mate-18.04.2

- download raspberry pi imager, it's helping you to flash the sd card

- then execute the application and select our os image:

- select your sd card and write

Remove your sd card from you laptop and put it in raspberry.

On the raspberry pi 3B

- Powered the raspberry pi

- Follow the configuration

- Choose user and password

    - user: ros-ubuntu
    - password: projet2020

--> Don't upgrade to 20.0 !! ROS will not be compatible with.

- you have to update your package :

```
$ sudo apt update
```

- restart
- install git

```
$ sudo apt-get git
```

- install ROS following the ROS wiki installation.

If you have enough space on your sd card, install

```
$ sudo apt install ros-melodic-desktop
```

Then ros is installed ! check with the command line:

```
$ ls /opt/ros/melodic
```

and look if it exists.

- On the desktop:

```
$ cd ~/Bureau
$ git clone --branch dev_briand https://gitlab.com/20-
21_5ETI_PRJ/Sujet_5__Simulated_robotic_scenario/s5_g7_briand_guy_kahan_martinez.gi
t
```

Now you have your sd card configured correctly