

Project :Robot movement using python

Let us watch this
video.....



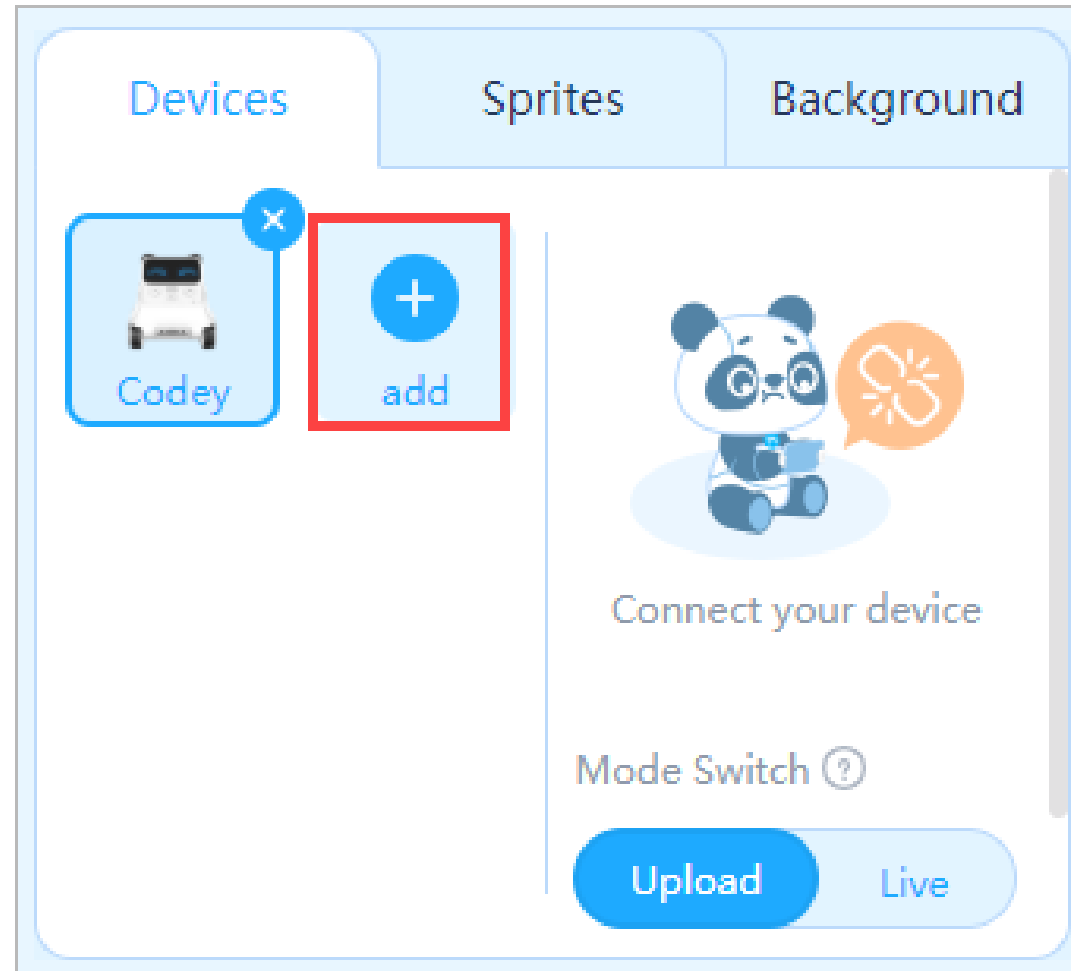
What did we see?

Observations:

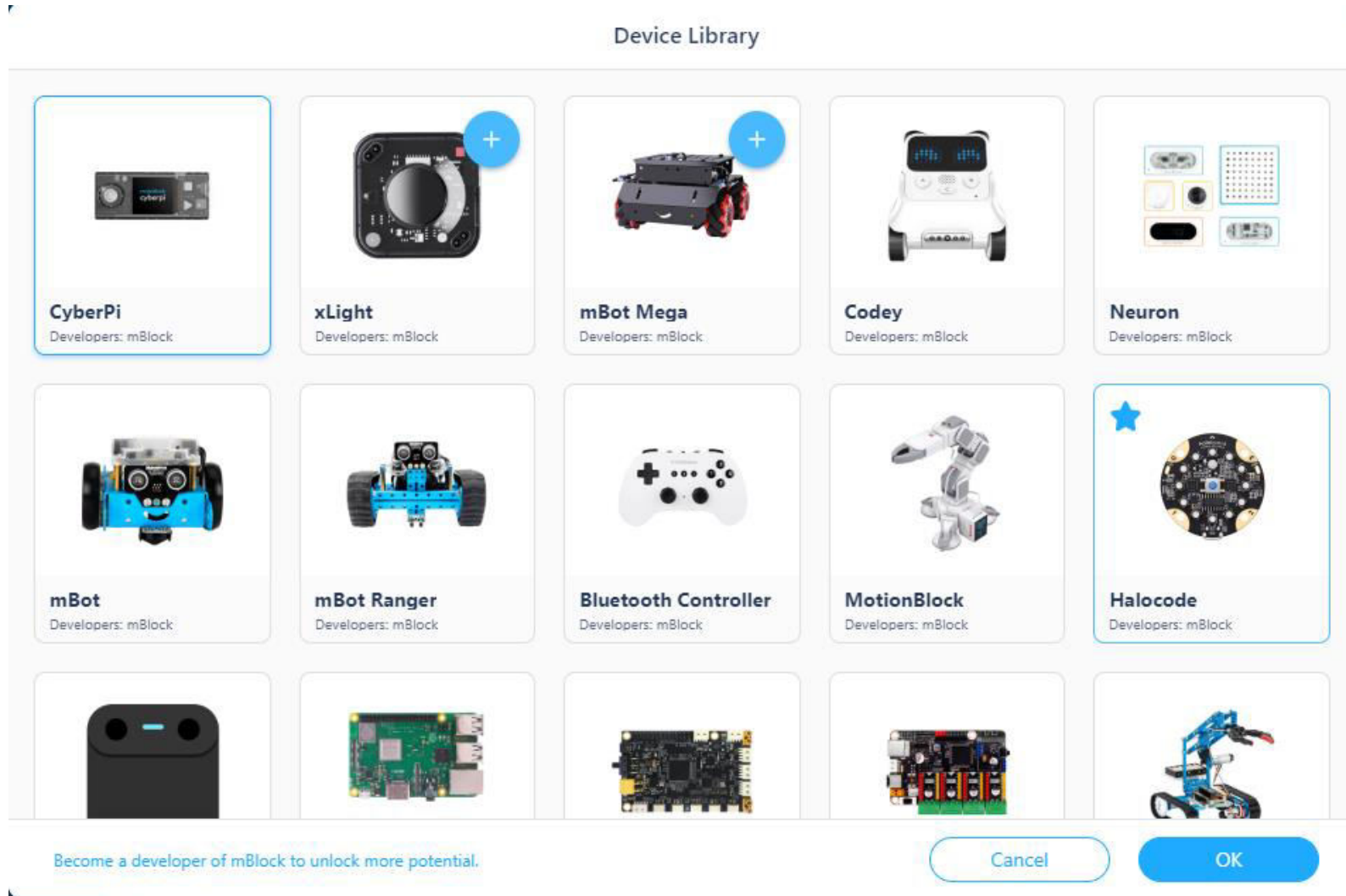
- When CyberPi start, if button 'A' is pressed, the robot is making a spin.
- If button 'B' is pressed, the robot is moving in a square .

Steps to make a program

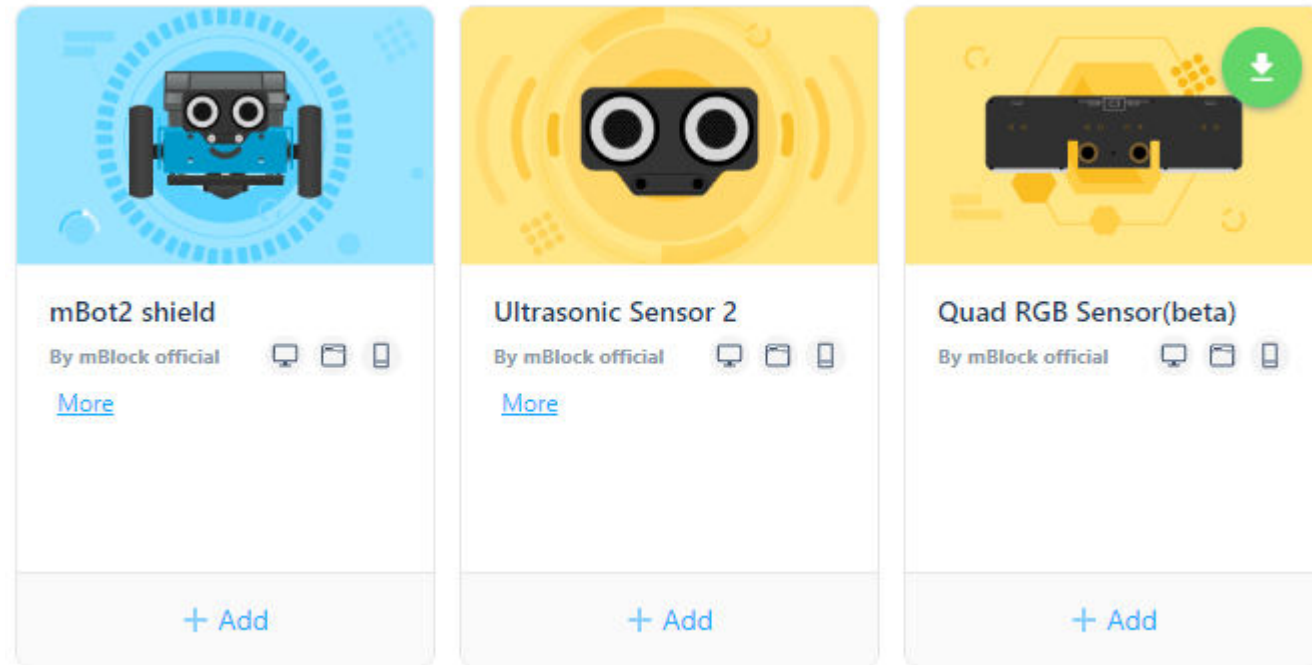
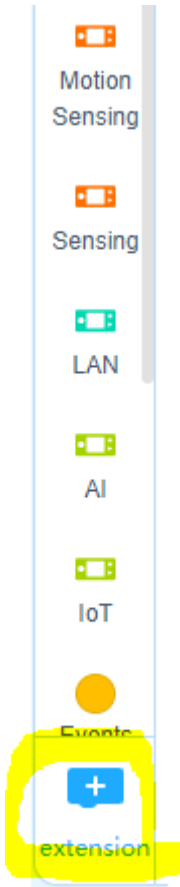
Step 1: Open mBlock Software. Go to Devices tab and click on the add button.



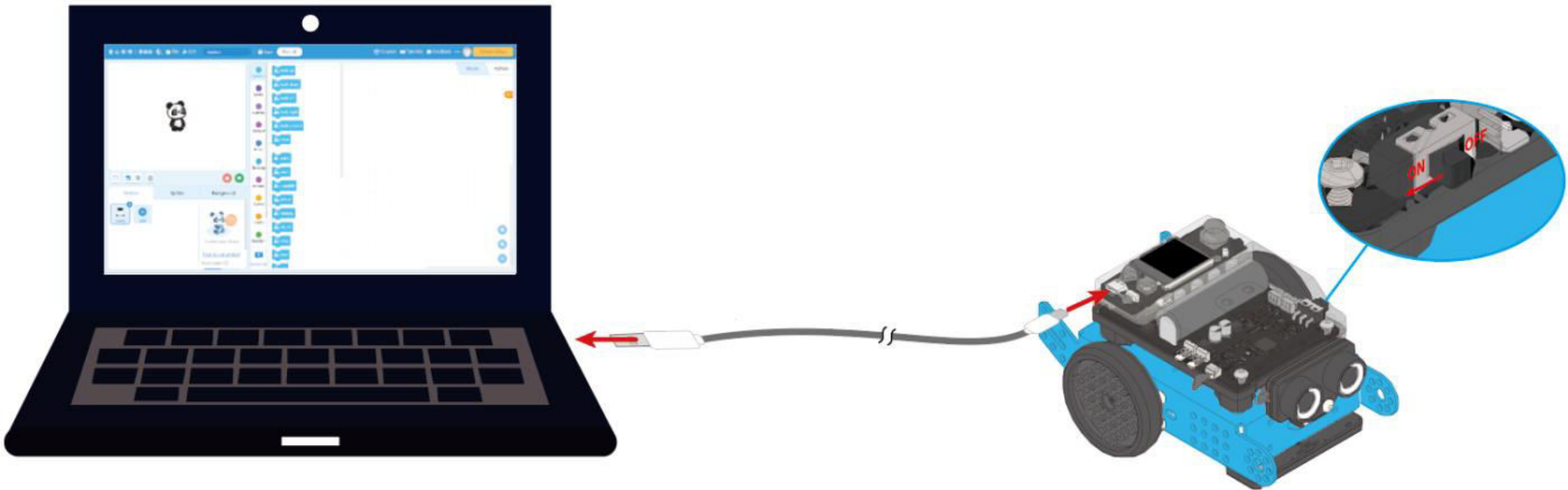
Step 2: select CyberPi as a device to program it.



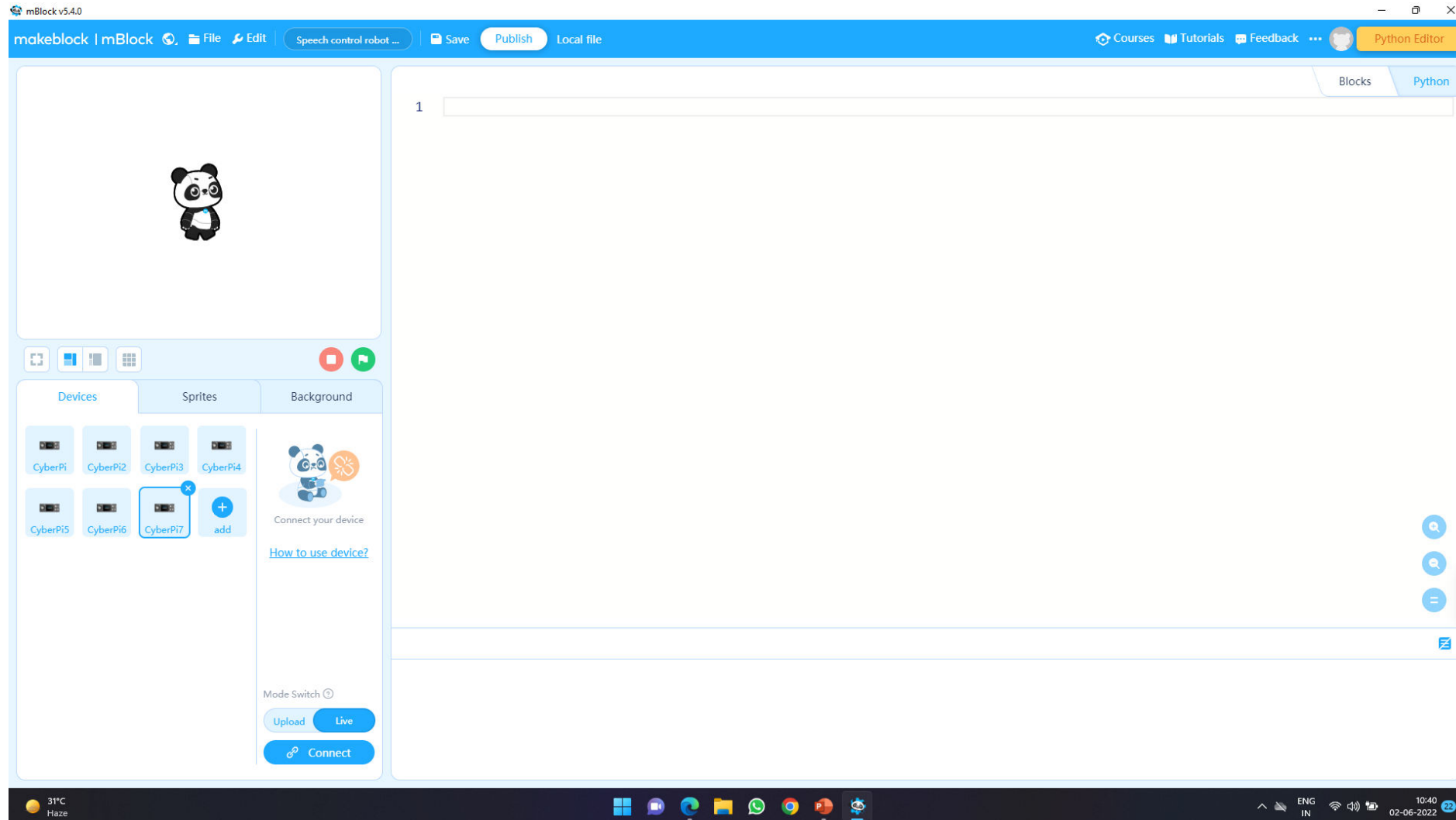
Step 3: Now, click on the extension and add following extensions one by one



Step 4: Connect mBot2 with PC using an uploading cable



Step 5: Switch to python tab to write the program.



Step6: Now, let's write python program for the robot to move in different directions using python program

```
1  #Robot Movement using python
2  import mbot2, event, time, cyberpi
3
4  cyberpi.console.println('A - Spin')
5  cyberpi.console.println('B - Square')
6  while True:
7      if cyberpi.controller.is_press('a'):
8          mbot2.turn_right(50, 4)
9
10     if cyberpi.controller.is_press('b'):
11         for count in range(4):
12             mbot2.forward(50, 1)
13             mbot2.turn(90)
14
15
```

Thank you!