

## 10. Case 08: Parking at A Set Point

### 10.1. Purpose

- Programme to set the TPBot parking at a set point.

### 10.2. Material

- 1 x [TPBot](#)

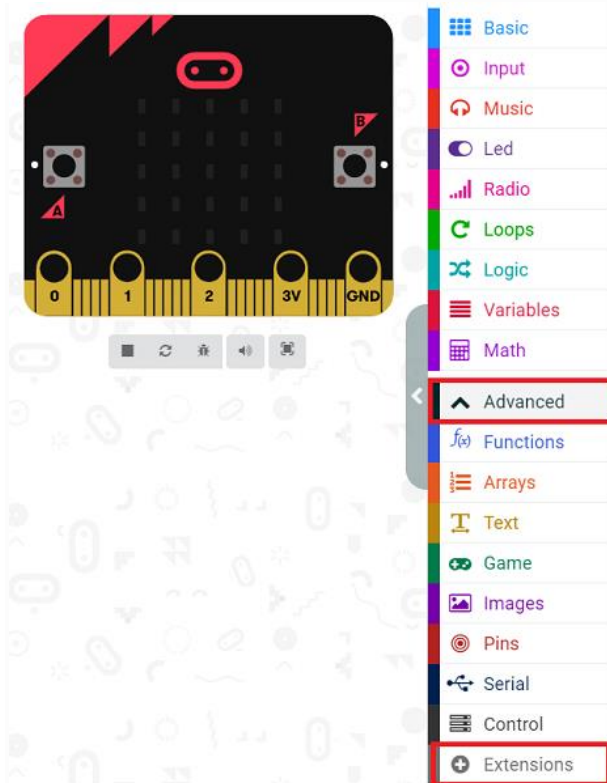


### 10.3. Software

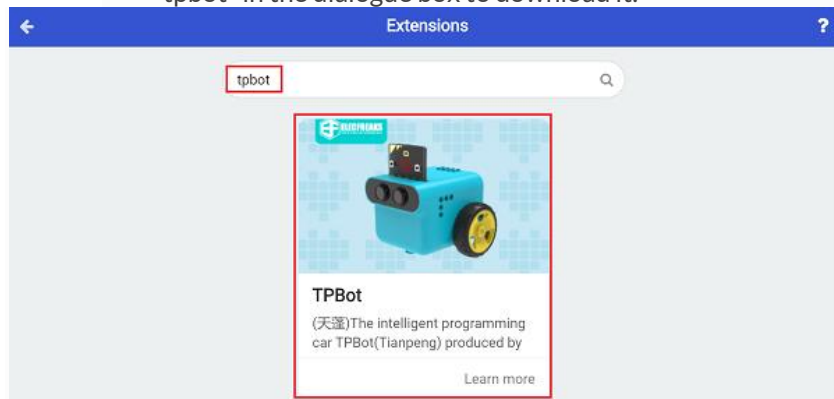
[MicroSoftmakecode](#)

### 10.4. Programming

- Click “Advanced” to see more choices in the MakeCode drawer.

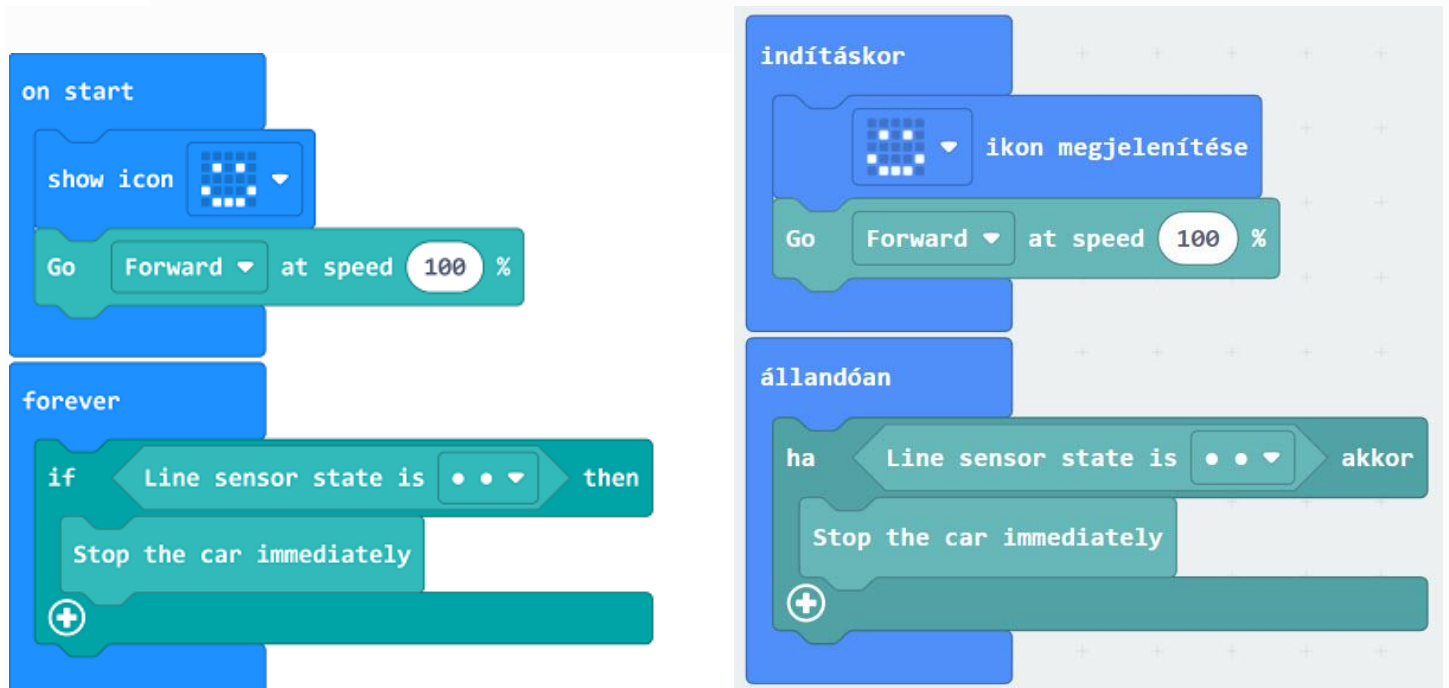


- We need to add a package for programming. Click “Extensions” in the bottom of the drawer and search with “tpbot” in the dialogue box to download it.



## ##Sample

- Set the icon on the micro:bit display and set it moving forward at the speed of 50%.
- Judge the status of the line-tracking sensors in the forever brick, if both of them detect the black line, set the car to stop immediately.



## Link

- Link: [https://makecode.microbit.org/\\_Jda4MkM8gCsf](https://makecode.microbit.org/_Jda4MkM8gCsf)
- You may also download it directly below:

## 10.5. Conclusion

- Power up to show a set icon on the micro:bit and the TPBot moves forward and doesn't stop until the black line is detected by both sensors.