

Course8-Sing a song**Learning goals:**

In this lesson, you can use the micro:bit robot to play music, the robot sings a ODE song, and the dot matrix displays a buzzer pattern.

Code:

```
from microbit import *
import music
display.show(Image.MUSIC_QUAVER)
music.play(music.WEDDING)
```

Below is a complete list of melody:

- music.DADADADUM
- music.ENTERTAINER
- music.PRELUDE
- music.ODE
- music.NYAN
- music.RINGTONE
- music.FUNK
- music.BLUES
- music.BIRTHDAY
- music.WEDDING
- music.FUNERAL
- music.PUNCHLINE
- music.PYTHON
- music.BADDY
- music.CHASE
- music.BA_DING
- music.WAWAWAWAA
- music.JUMP_UP
- music.JUMP_DOWN
- music.POWER_UP
- music.POWER_DOWN

Programming and downloading:

1.You should open the Mu software, and enter the code in the edit window, , as shown in Figure 8-1.

Note! All English and symbols should be entered in English.

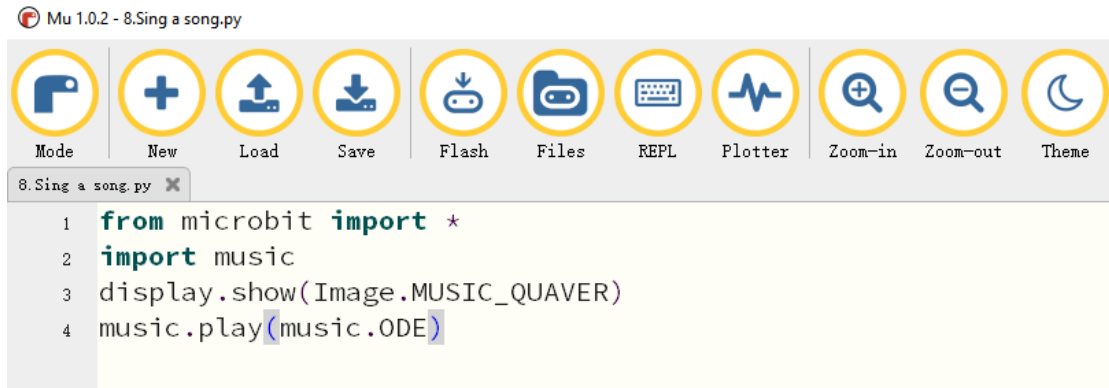


Figure 8-1

2.As shown in Figure 8-2, you need to click the Check button to check if our code has an error. If a line appears with a cursor or an underscore, the program indicating this line is wrong.

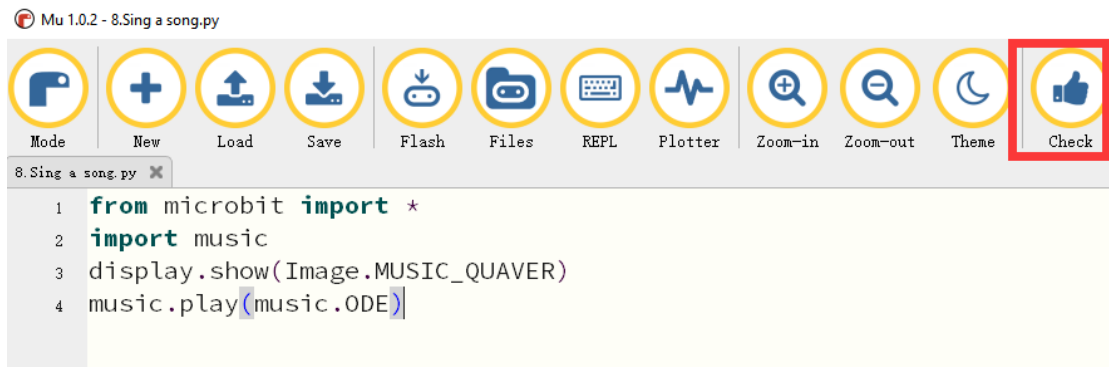


Figure 8-2

3.You need to connect the micro data cable to micro:bit and the computer, then click the Flash button to download the program to micro:bit as shown in Figure 8-3.



Figure 8-3

4.After downloading the program, you can see that Micro:bit will display music pattern and buzzer will play 《ODE》 , as shown in Figure 8-4.

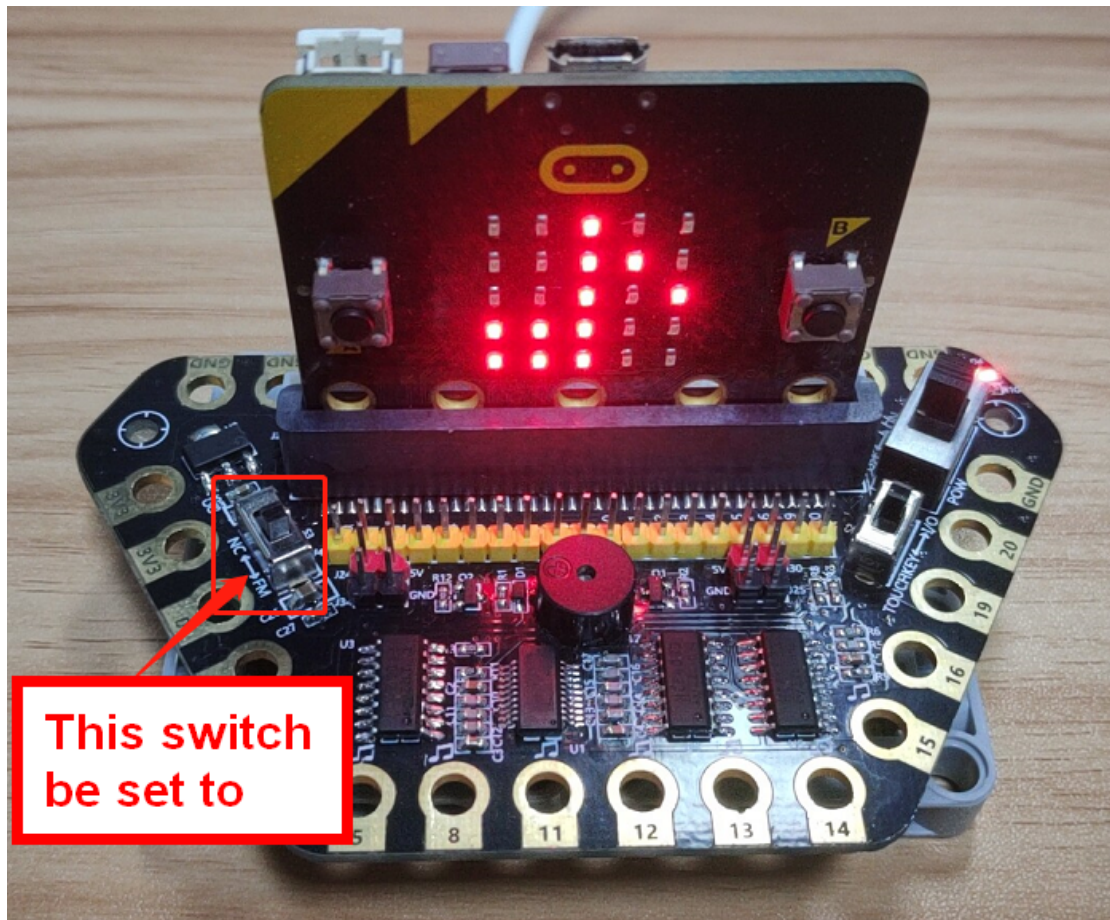


Figure 8-4

!!! Note: Before downloading the program, you need to set the buzzer switch S3 to the FM , otherwise there is no sound.