

## Play music

### 1.Learning goals

In this lesson, we mainly learn how to play music by micro:bit and Super:bit expansion board and display a music pattern on dot matrix.

#### Code:

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

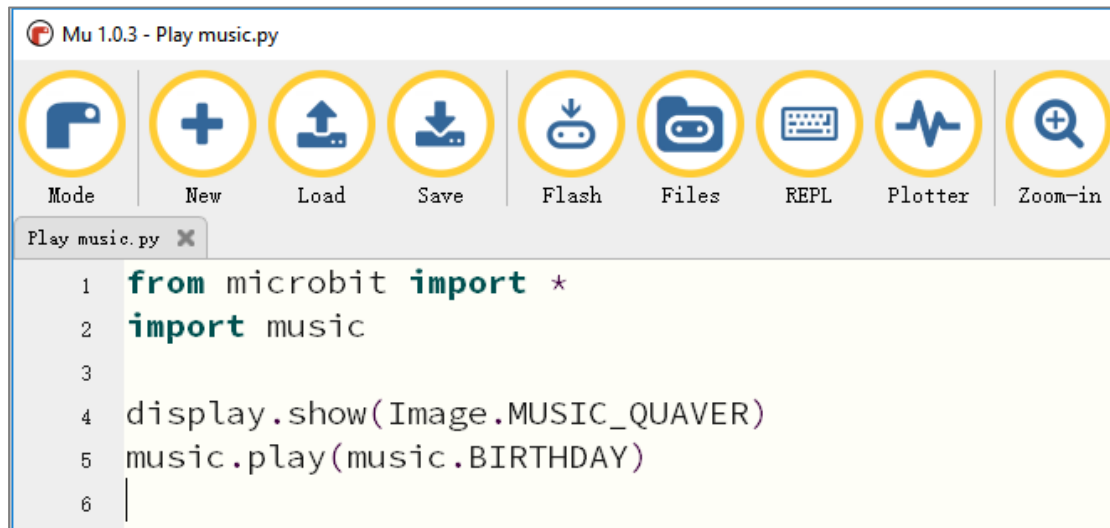
Import music, The meaning here is to import the music library function and call the built-in music.BIRTHDAY melody from the library, here is a complete list of melody:

- 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

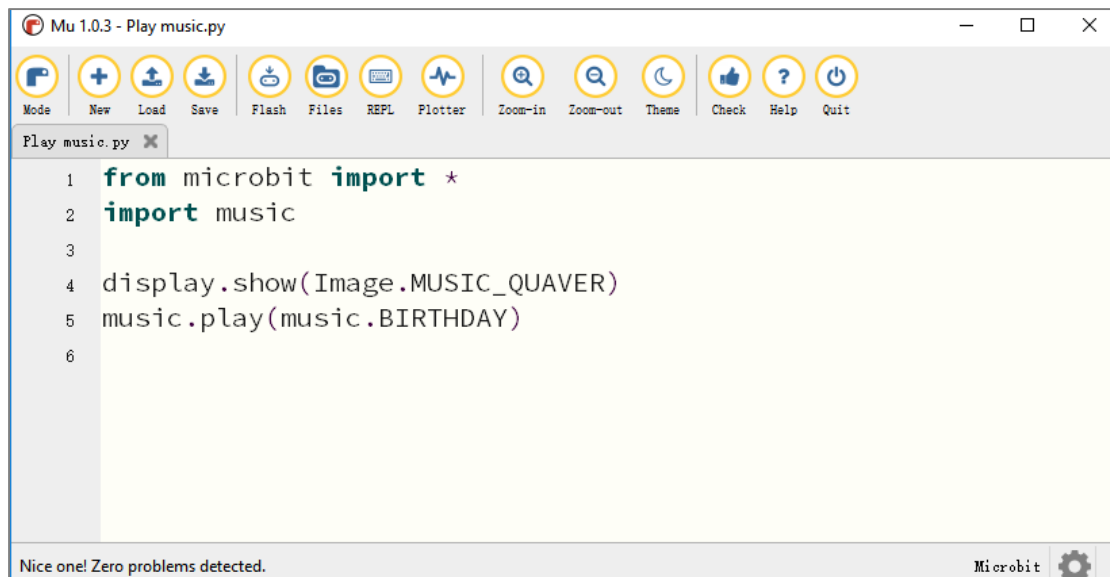
#### Programming and downloading:

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

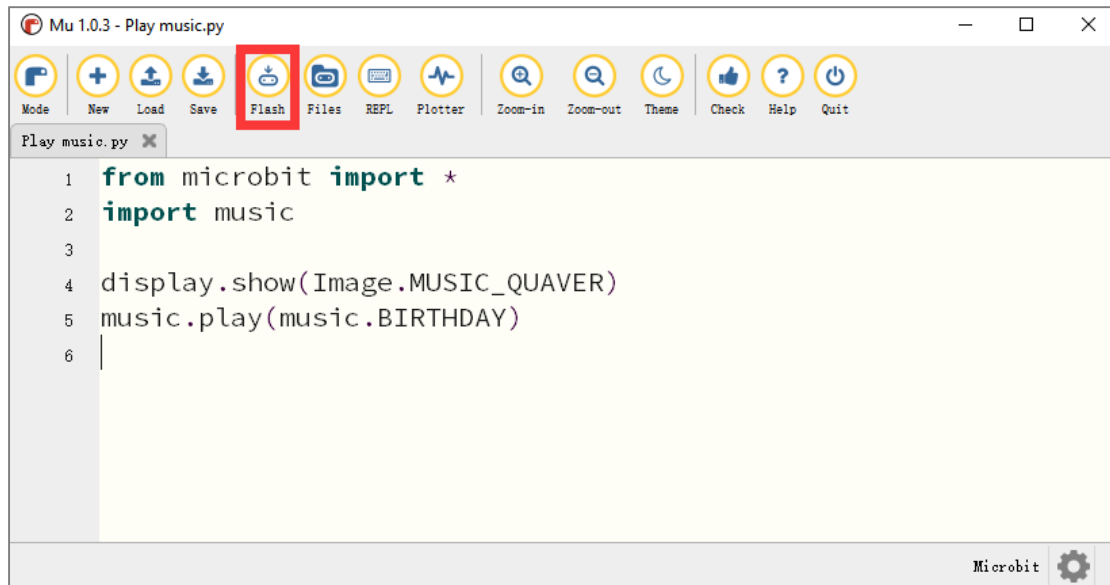
**Note! All English and symbols should be entered in English, and the last line must be a space.**



2. You can 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.



3. Connect the micro USB data cable to the micro:bit and the computer, and then click the Flash button to download the program to the micro:bit as shown below.



4. After downloading the program, you can hear "Birthday Song", and the music symbol is displayed on the micro:bit dot matrix. Since the melody is only played once, you can press the reset button to run the program again.