1.Music watch

1. Learning goals

In this lesson, we will learn to use micro:bit and wrist:bit make a music watch.

2.Code and analysis

```
from microbit import *
import music
import superbit
import microbit
import neopixel

display.show(Image.HAPPY)
np = neopixel.NeoPixel(pin12, 4)
superbit.servo270(superbit.S1, 105)

while True:
    music.play('E4:4')
    music.play('E4:4')
    music.play('F4:4')
    music.play('G4:4')
    music.play('G4:4')
    music.play('F4:4')
    music.play('E4:4')
    music.play('D4:4')
    music.play('C4:4')
    music.play('C4:4')
    music.play('D4:4')
    music.play('E4:4')
    music.play('E4:6')
    music.play('D4:2')
    music.play('D4:2')
```

from microbit import *

This code is to import everything from the microbit library, and any program need to uses import this library.

import music: import this music library

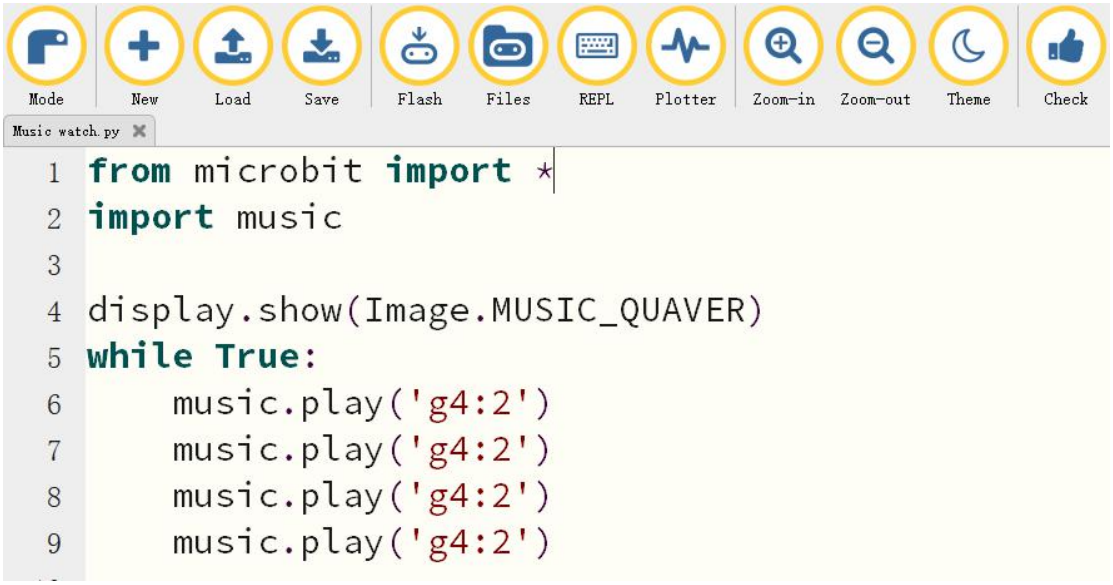
display.show(): Display pattern on the micro:bit matrix;

3. Programming and downloading

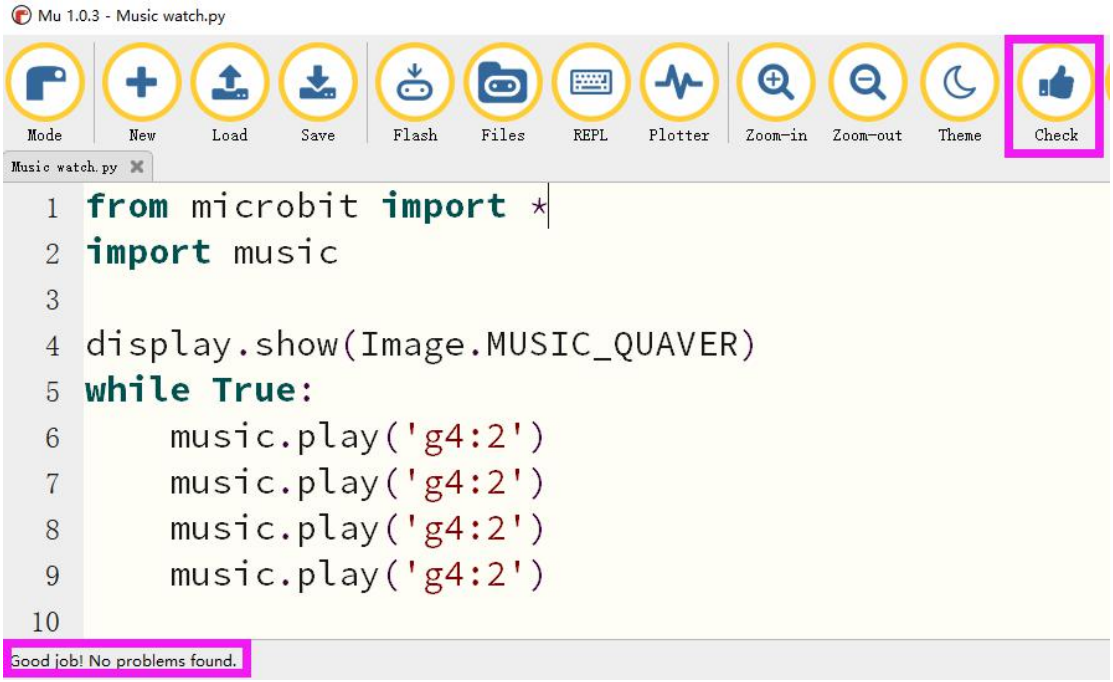
3.1 You should open the Mu software, and enter the code in the edit window, , as shown in Figure .

Note! All English and symbols should be entered in English, and the last line must

be a space.



3.2 As shown in Figure, 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.



3.3You 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.

4. Experimental phenomena

After the program is successfully downloaded, a music symbols is displayed on the micro:bit dot matrix, and the melody of the song "ODE" is played in a loop.