

Course8-Dice game**Learning goals:**

In this lesson, we will achieve shake a roll of micro:bit. There are number 1-6 randomly appearing on the dot matrix, which is exactly the same as playing the dice.

Code:

```
from microbit import *
import random
while True:
    gesture = accelerometer.current_gesture()
    if gesture == "shake":
        display.show(str(random.randint(1, 6)))
```

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, and the last line must be a space.

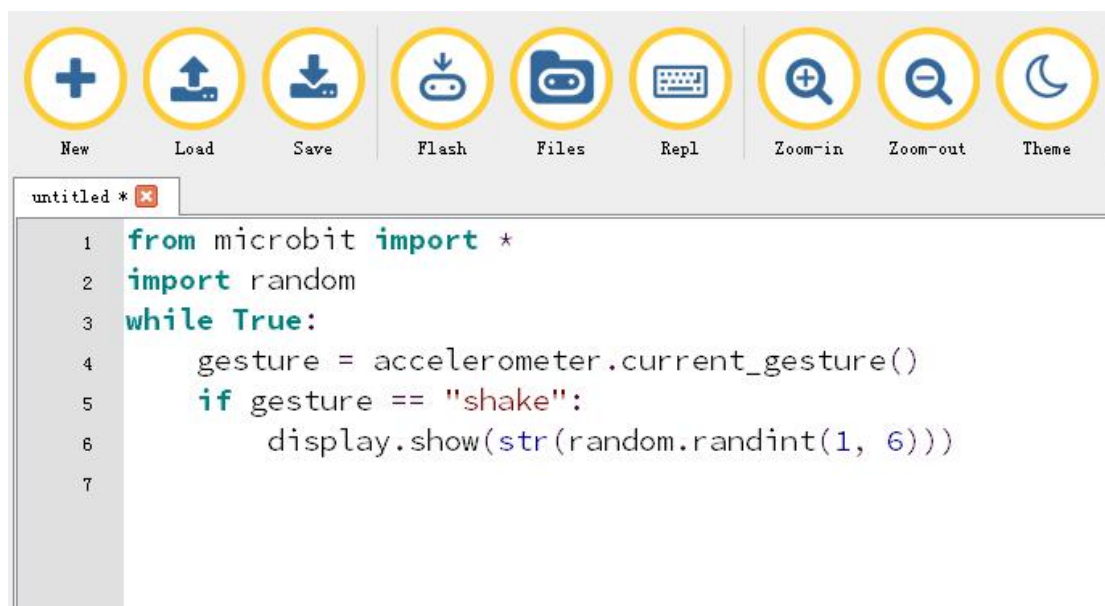


Figure 8-1

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.

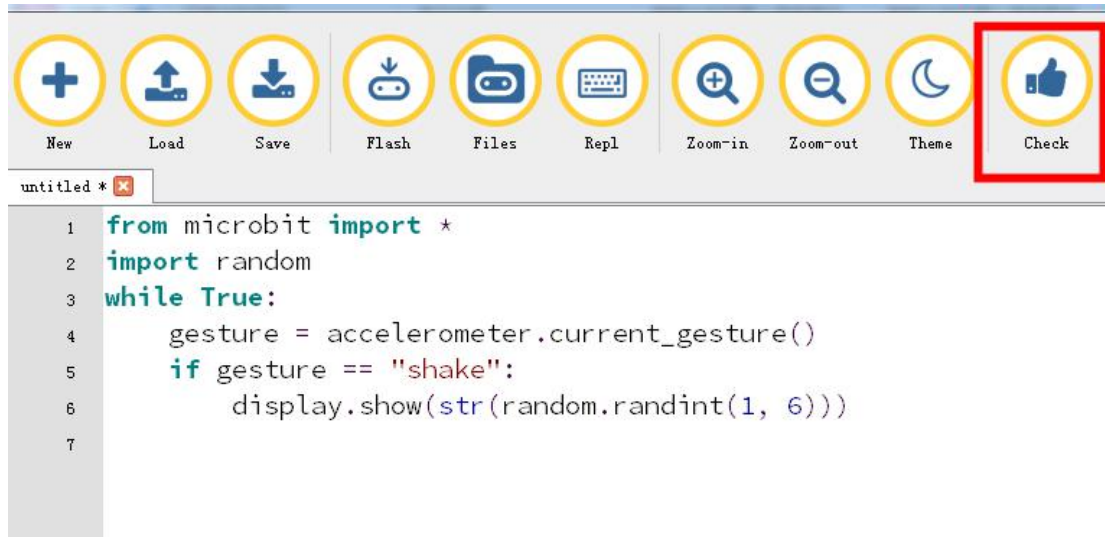


Figure 8-2

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.

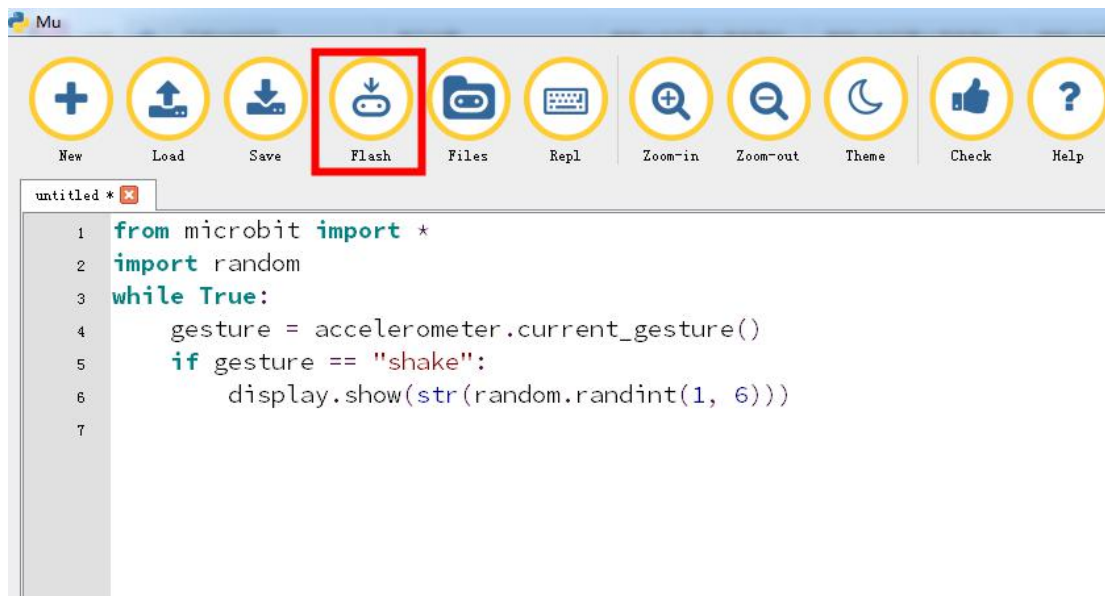


Figure 8-3

4. After downloading the program, shake a roll of micro:bit. There are number 1-6 randomly appearing on the dot matrix, which is exactly the same as playing the dice, as shown in Figure 8-4, Figure 8-5.

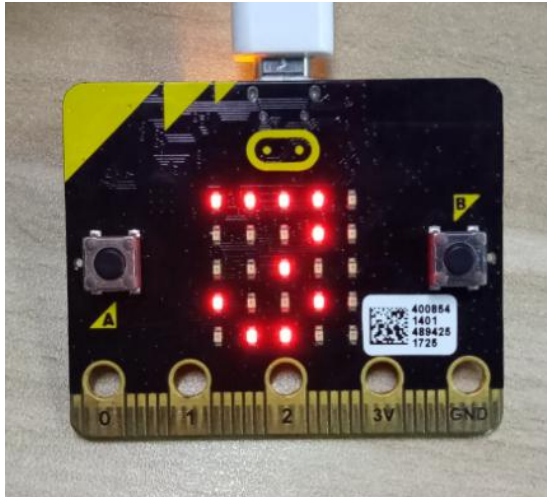


Figure 8-4



Figure 8-5