

Course2---Display built-in image

Learning goals:

This lesson learns to display image on a micro:bit dot matrix by Python programming.
For example: heart.

Code:

```
from microbit import *  
display.show(Image.HEART)
```

Below is a list of built-in images:

- Image.HEART
- Image.HEART_SMALL
- Image.HAPPY
- Image.SMILE
- Image.SAD
- Image.CONFUSED
- Image.ANGRY
- Image.ASLEEP
- Image.SURPRISED
- Image.SILLY
- Image.FABULOUS
- Image.MEH
- Image.YES
- Image.NO
- Image.CLOCK12, Image.CLOCK11, Image.CLOCK10, Image.CLOCK9, Image.CLOCK8, Image.CLOCK7, Image.CLOCK6, Image.CLOCK5, Image.CLOCK4, Image.CLOCK3, Image.CLOCK2, Image.CLOCK1
- Image.ARROW_N, Image.ARROW_NE, Image.ARROW_E, Image.ARROW_SE, Image.ARROW_S, Image.ARROW_SW, Image.ARROW_W, Image.ARROW_NW
- Image.TRIANGLE
- Image.TRIANGLE_LEFT
- Image.CHESSBOARD
- Image.DIAMOND
- Image.DIAMOND_SMALL
- Image.SQUARE
- Image.SQUARE_SMALL
- Image.RABBIT
- Image.COW
- Image.MUSIC_CROTCHET
- Image.MUSIC_QUAVER
- Image.MUSIC_QUAVERS
- Image.PITCHFORK
- Image.XMAS
- Image.PACMAN

- Image.TARGET
 - Image.TSHIRT
 - Image.ROLLERSKATE
 - Image.DUCK
 - Image.HOUSE
 - Image.TORTOISE
 - Image.BUTTERFLY
 - Image.STICKFIGURE
 - Image.GHOST
 - Image.SWORD
 - Image.GIRAFFE
 - Image.SKULL
 - Image.UMBRELLA
 - Image.SNAKE
- Image.ALL_CLOCKS
Image.ALL_ARROWS

Programming and downloading:

1.You should open the Mu software, and enter the code in the edit window, , as shown in Figure 2-1.

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

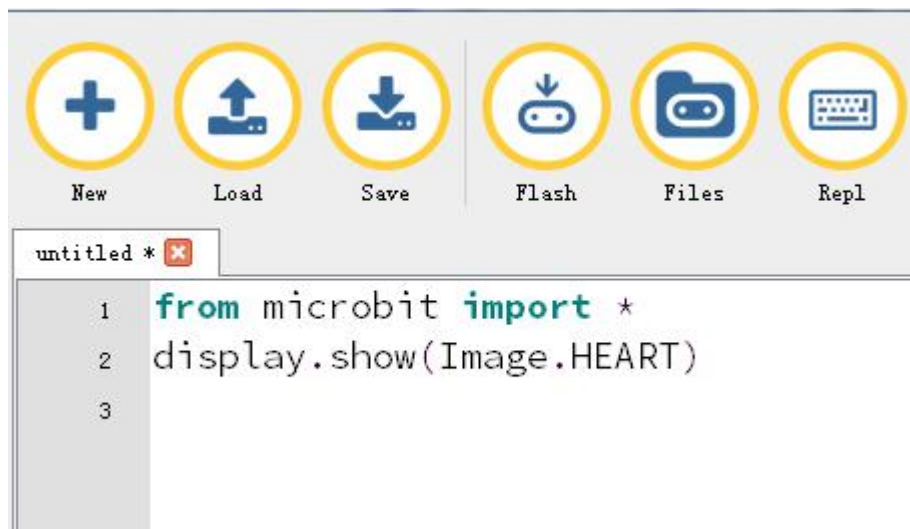


Figure 2-1

2.As shown in Figure 2-2, 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.

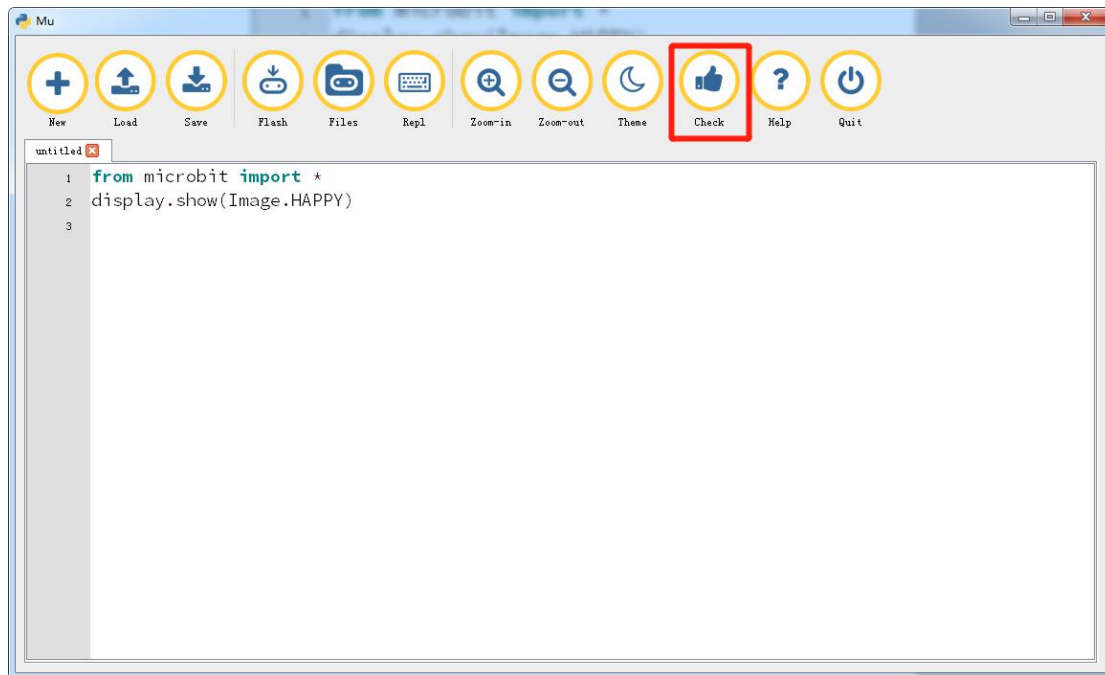


Figure 2-2

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 2-3.

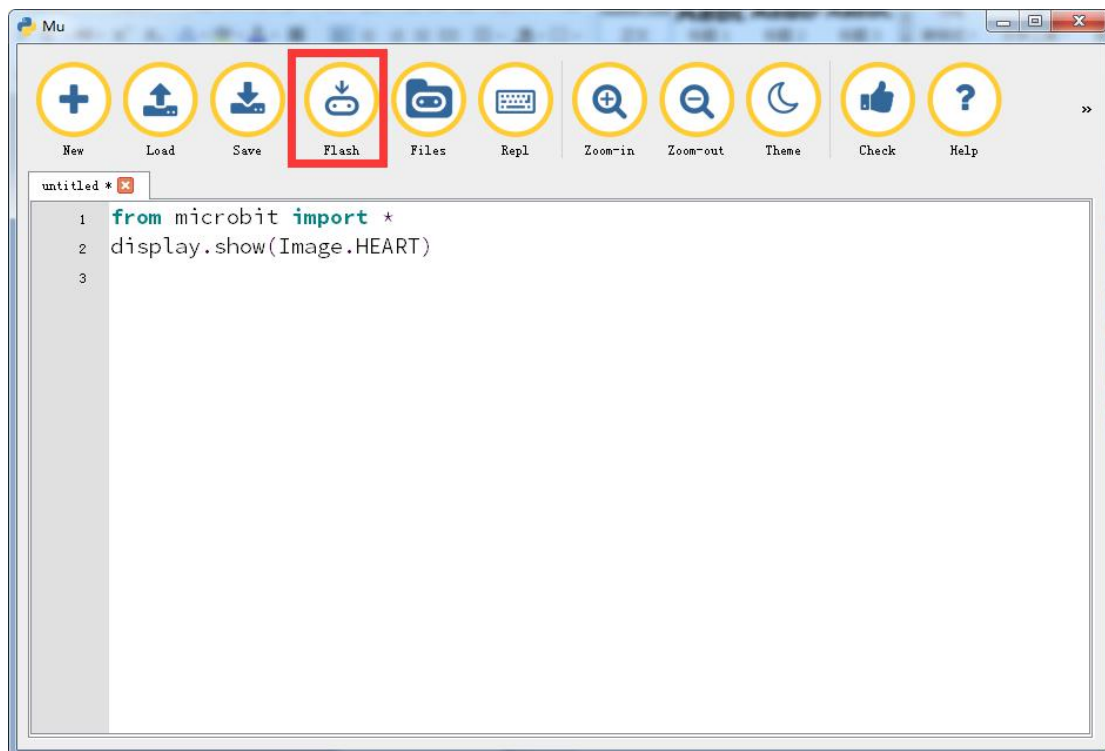


Figure 2-3

4. After the download is successful, you can see that a heart on the micro:bit dot matrix as shown in Figure 2-4.

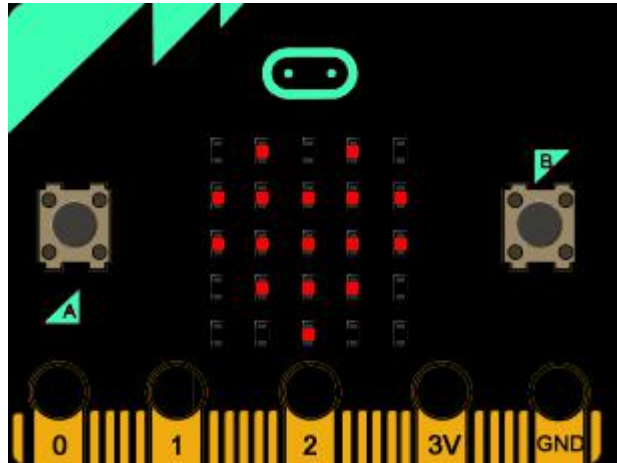


Figure 2-4.