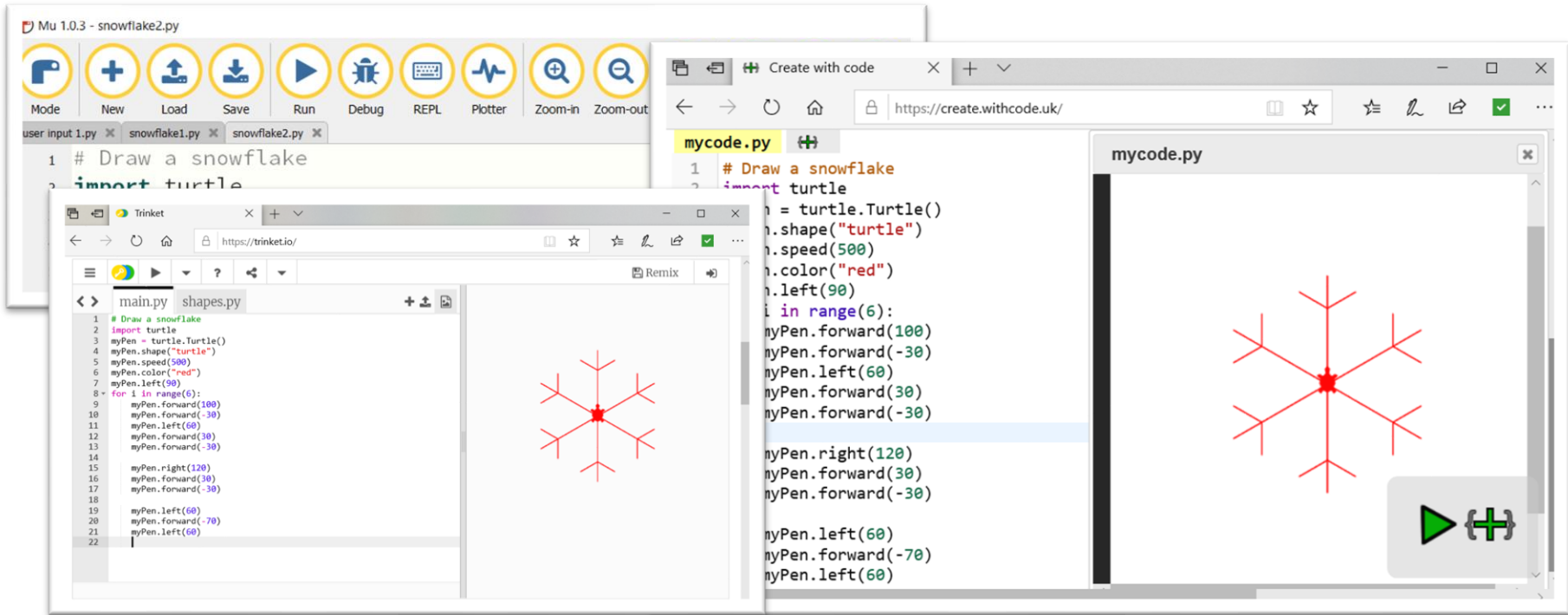


# Alternative Editors



***Powered by AFRL NM STEM Academy***

# Alternative Editors

There are 4 recommended alternatives to using Mu.

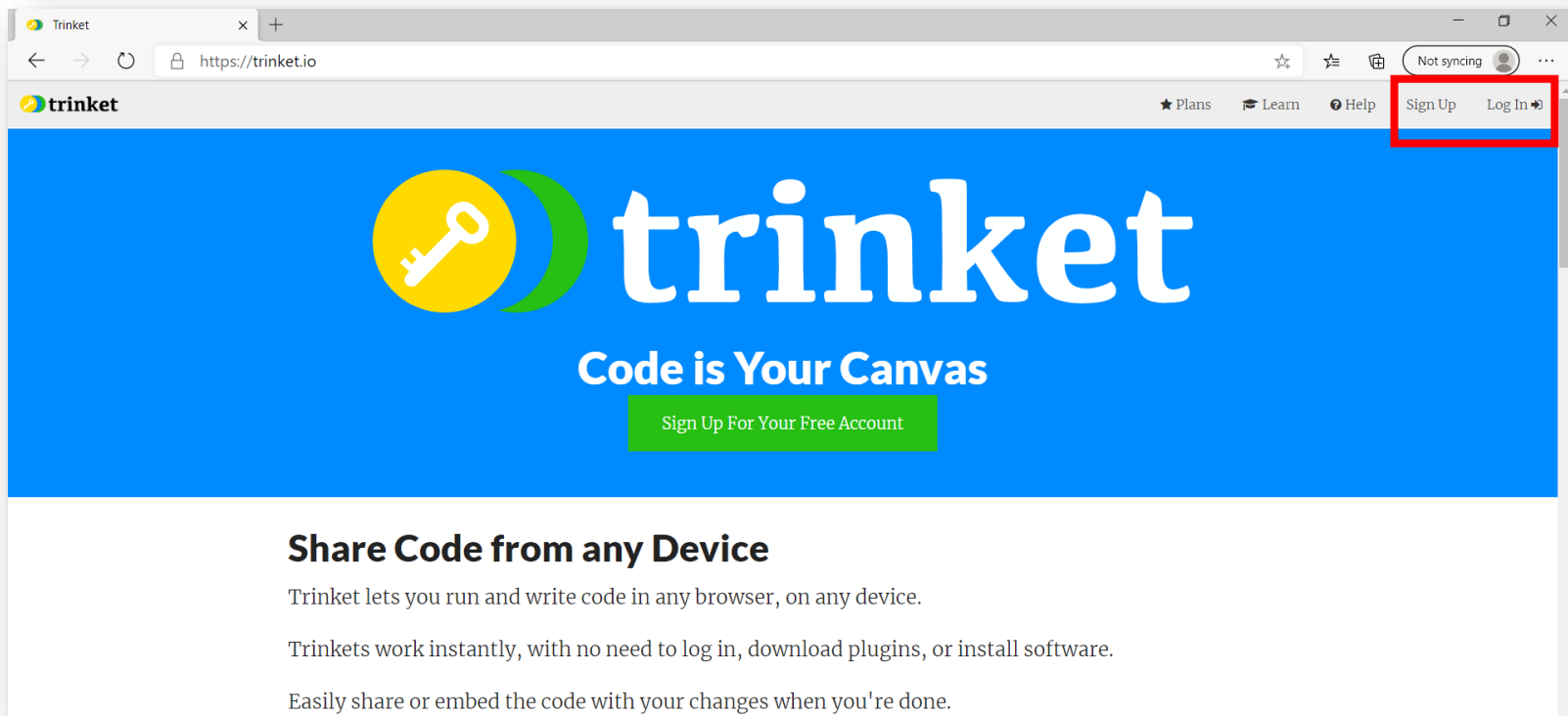
They are all free and available in web browsers.

- The [trinket.io](https://trinket.io) website requires a user ID and can be used for everything except the micro:bit.
- [create.withcode.uk](https://create.withcode.uk) does not require a user ID and has a micro:bit simulator.
- The [python.microbit.org](https://python.microbit.org) site can be used with the micro:bit.
- [repl.it](https://repl.it) does not require a user ID and can be used for everything except the micro:bit.

Click on the above link or go to Trinket.io in your web browser.

You will need to sign up for a login account.

Your account will enable you to save code.




Trinket

https://trinket.io

trinket

★ Plans 📖 Learn 🗺️ Help Sign Up Log In

 **trinket**

**Code is Your Canvas**

Sign Up For Your Free Account

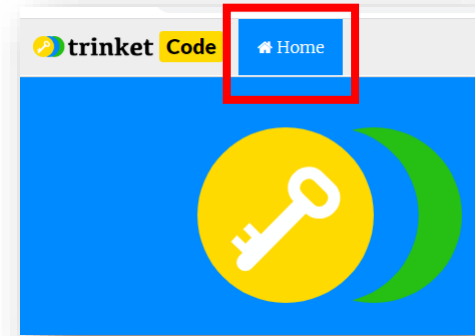
**Share Code from any Device**

Trinket lets you run and write code in any browser, on any device.

Trinkets work instantly, with no need to log in, download plugins, or install software.

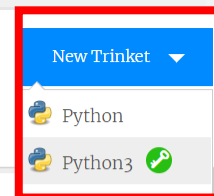
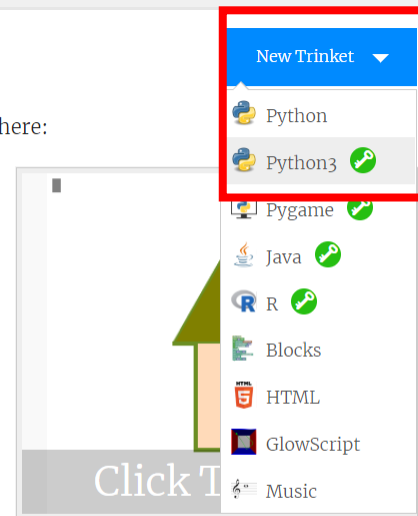
Easily share or embed the code with your changes when you're done.

- Click on the Home button.
- Click on the New Trinket button and select Python3.



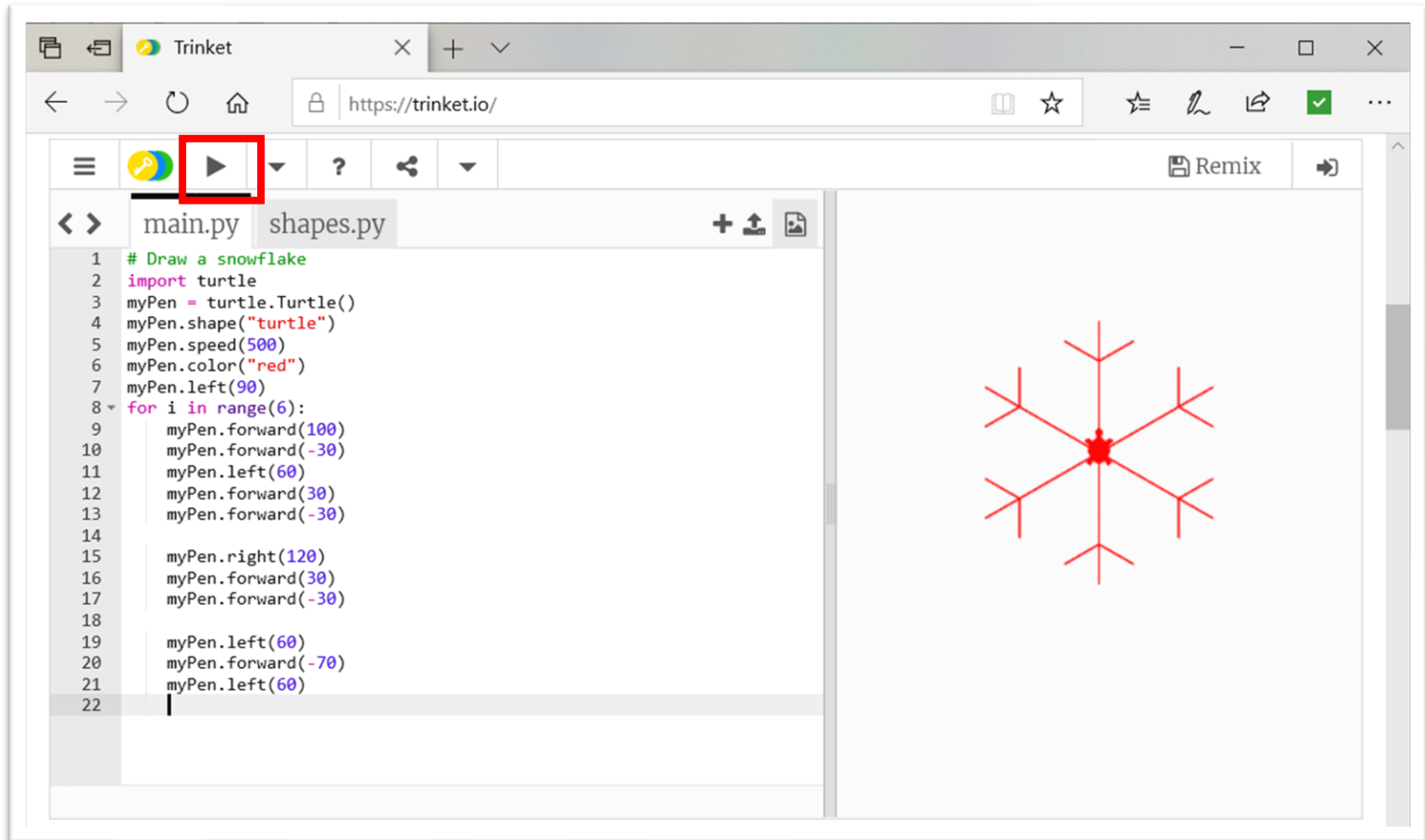
## My Recent Trinkets

Trinkets are interactive examples you can put on any site. Create or edit your trinkets here:



[View All My Trinkets](#) ➔

Click on the play button to run your program.

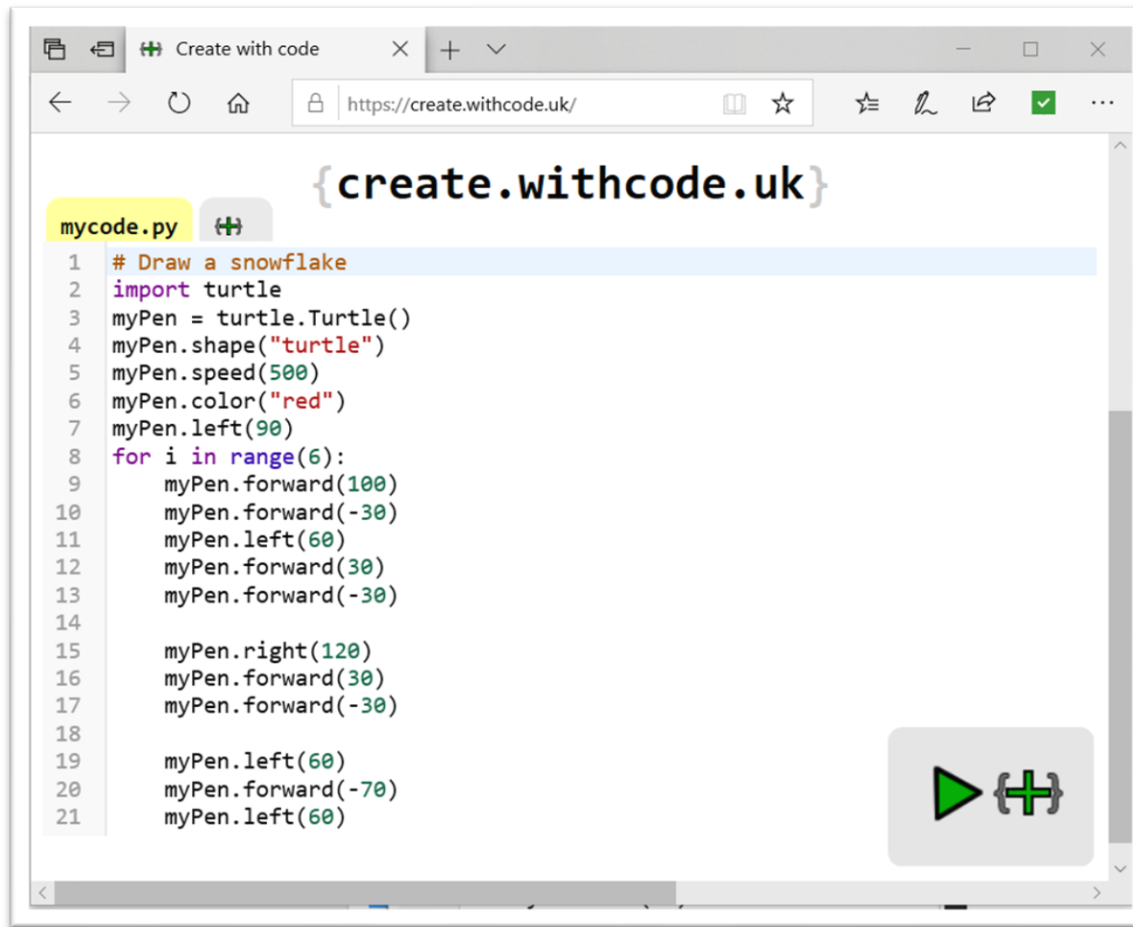


The screenshot shows the Trinket.io web interface. The browser address bar displays `https://trinket.io/`. The main toolbar contains a play button (a right-pointing triangle) which is highlighted with a red rectangular box. Below the toolbar, the code editor shows a Python script named `main.py` with the following code:

```
1 # Draw a snowflake
2 import turtle
3 myPen = turtle.Turtle()
4 myPen.shape("turtle")
5 myPen.speed(500)
6 myPen.color("red")
7 myPen.left(90)
8 for i in range(6):
9     myPen.forward(100)
10    myPen.forward(-30)
11    myPen.left(60)
12    myPen.forward(30)
13    myPen.forward(-30)
14
15    myPen.right(120)
16    myPen.forward(30)
17    myPen.forward(-30)
18
19    myPen.left(60)
20    myPen.forward(-70)
21    myPen.left(60)
22
```

To the right of the code editor, the output window displays a red snowflake shape drawn by the program. The snowflake consists of six main branches extending from a central point, with smaller branches extending from each of the main branches.

The create.withcode.uk website has a micro:bit simulator that enables most micro:bit programming.



The screenshot shows a web browser window with the URL <https://create.withcode.uk/>. The page title is "{ create.withcode.uk }". A code editor window titled "mycode.py" is open, displaying the following Python code:

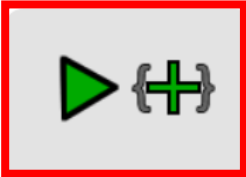
```
1 # Draw a snowflake
2 import turtle
3 myPen = turtle.Turtle()
4 myPen.shape("turtle")
5 myPen.speed(500)
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14
15    myPen.right(120)
16    myPen.forward(30)
17    myPen.forward(-30)
18
19    myPen.left(60)
20    myPen.forward(-70)
21    myPen.left(60)
```

A green play button icon is visible in the bottom right corner of the code editor area.

The Play button will run programs.

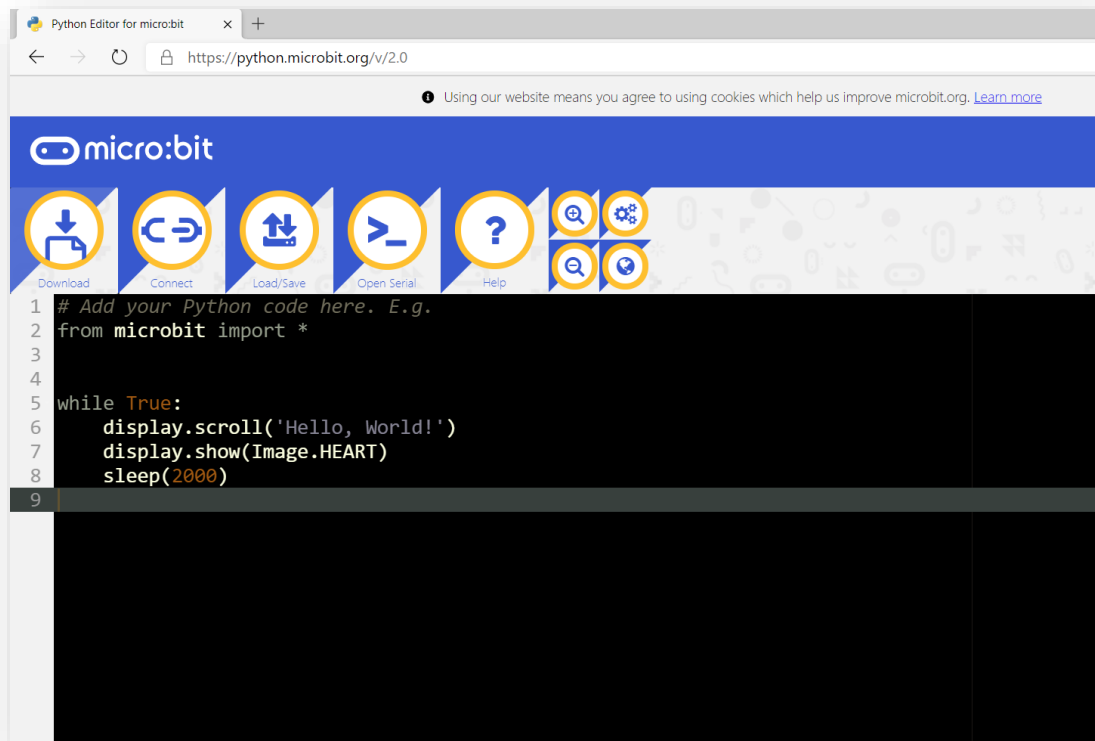
The symbol next to the play button will show or hide other buttons. You have an option to create a user ID, but it's not required.

```
14  
15 myPen.right(120)  
16 myPen.forward(30)  
17 myPen.forward(-30)  
18  
19 myPen.left(60)  
20 myPen.forward(-70)  
21 myPen.left(60)
```



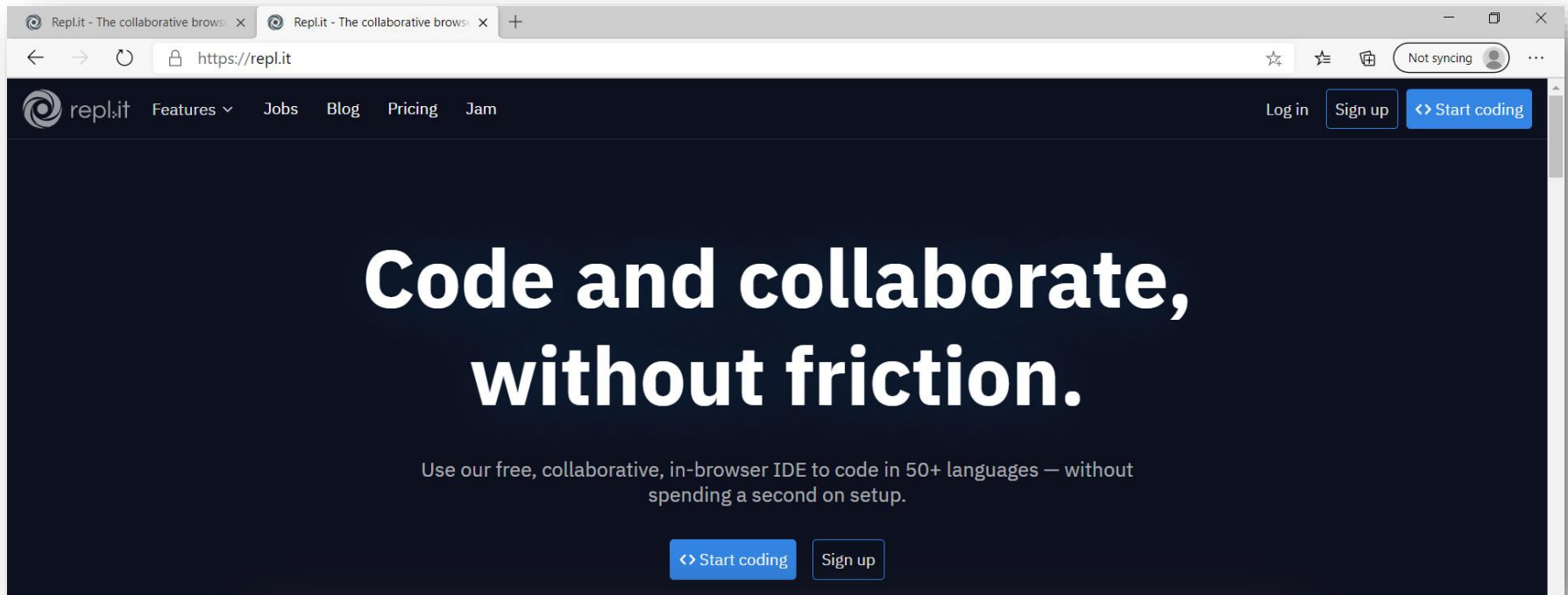
The python.microbit.org website enables programming, connection and loading programs to the micro:bit.

Other Python programs will not run on this website.

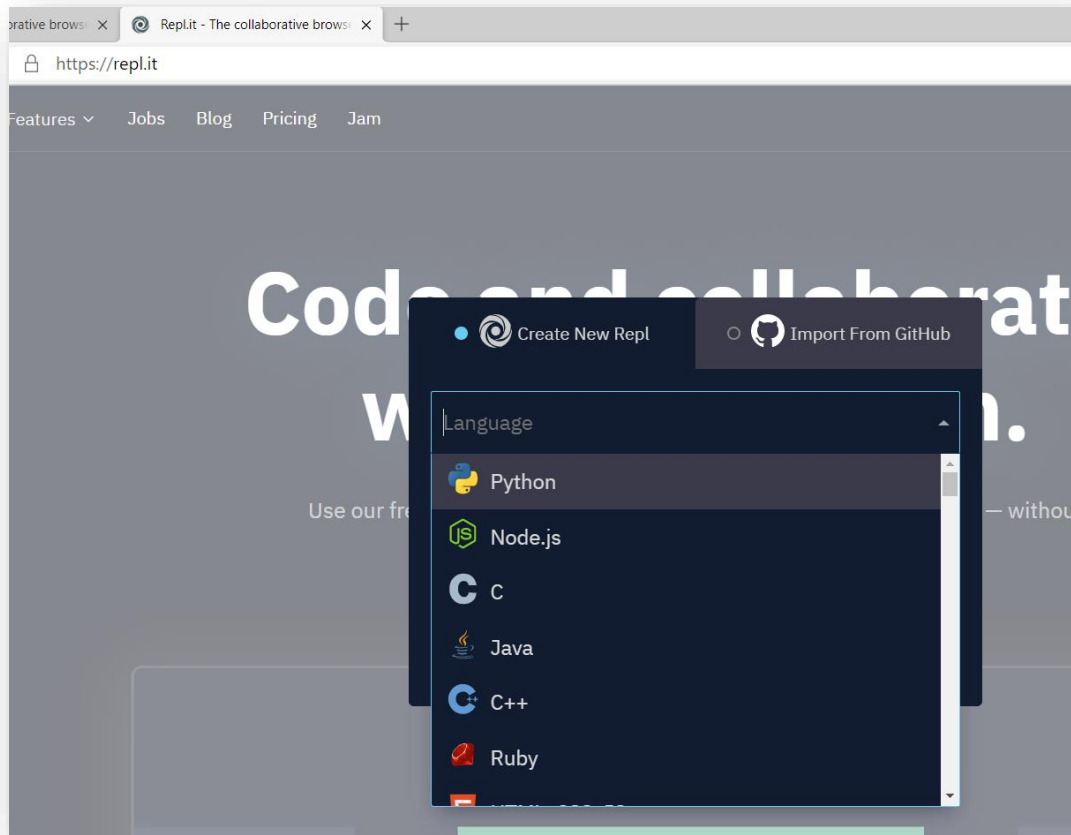




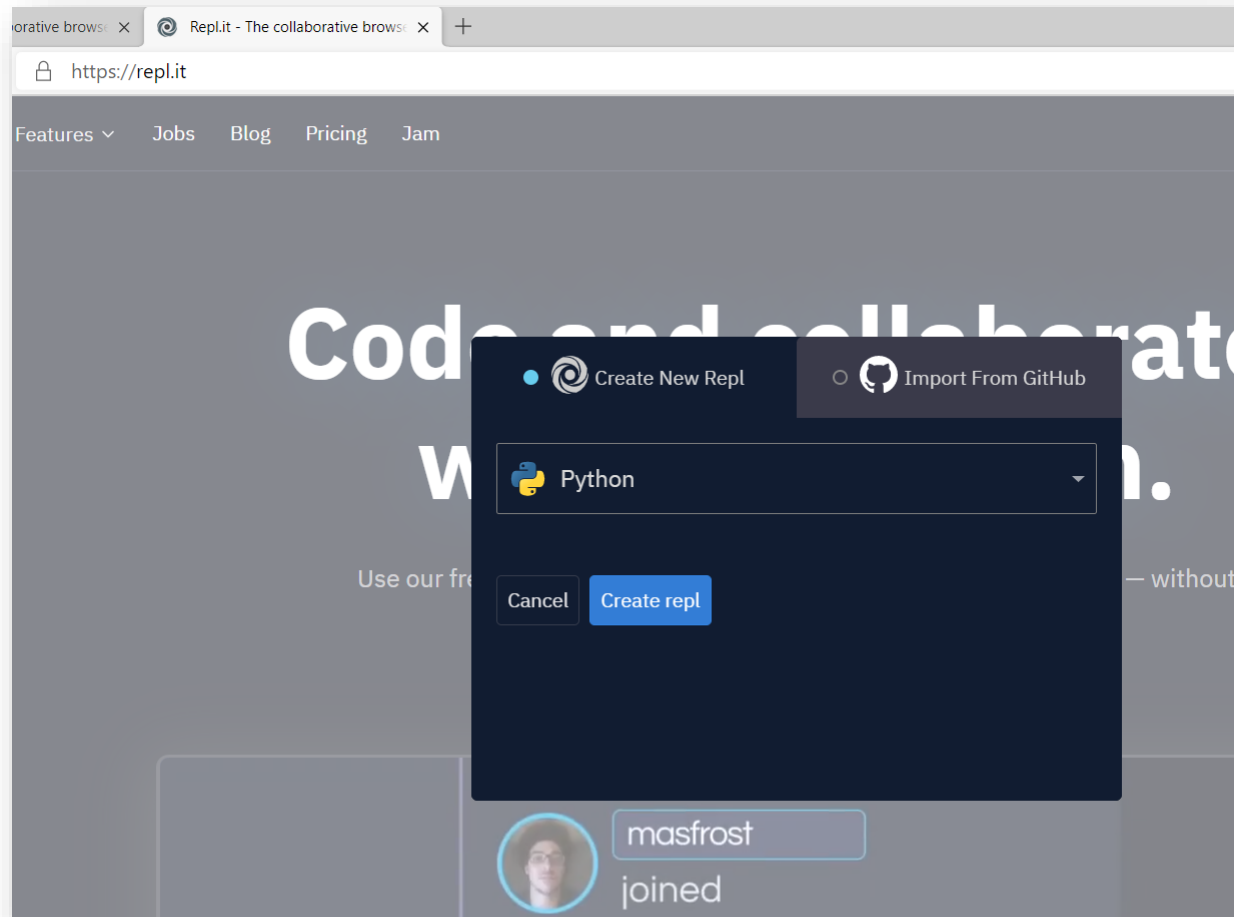
The repl.it website enables programming in a variety of languages. Creating a sign-in is optional, but repl.it provides space to save your work. Click on the **Start Coding** button.



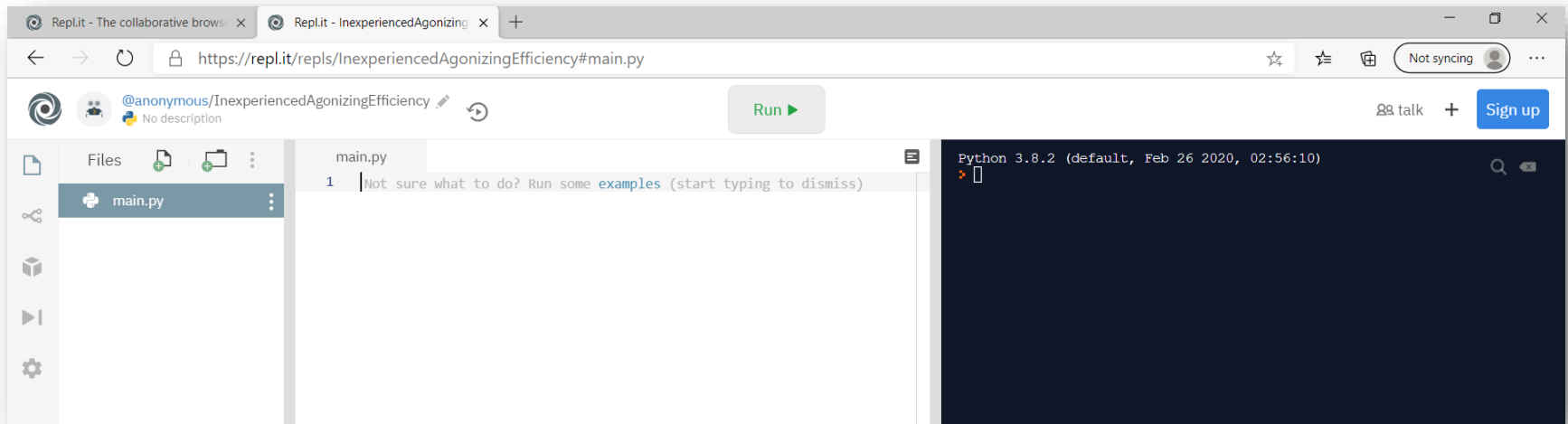
Select Python.



Click on the **Create repl** button.



You cannot flash code to the micro:bit in repl.it.



# Alternative Editors

There are lots of great programming editors out there. We hope you can find a way to do the Slice of Py tutorials.

