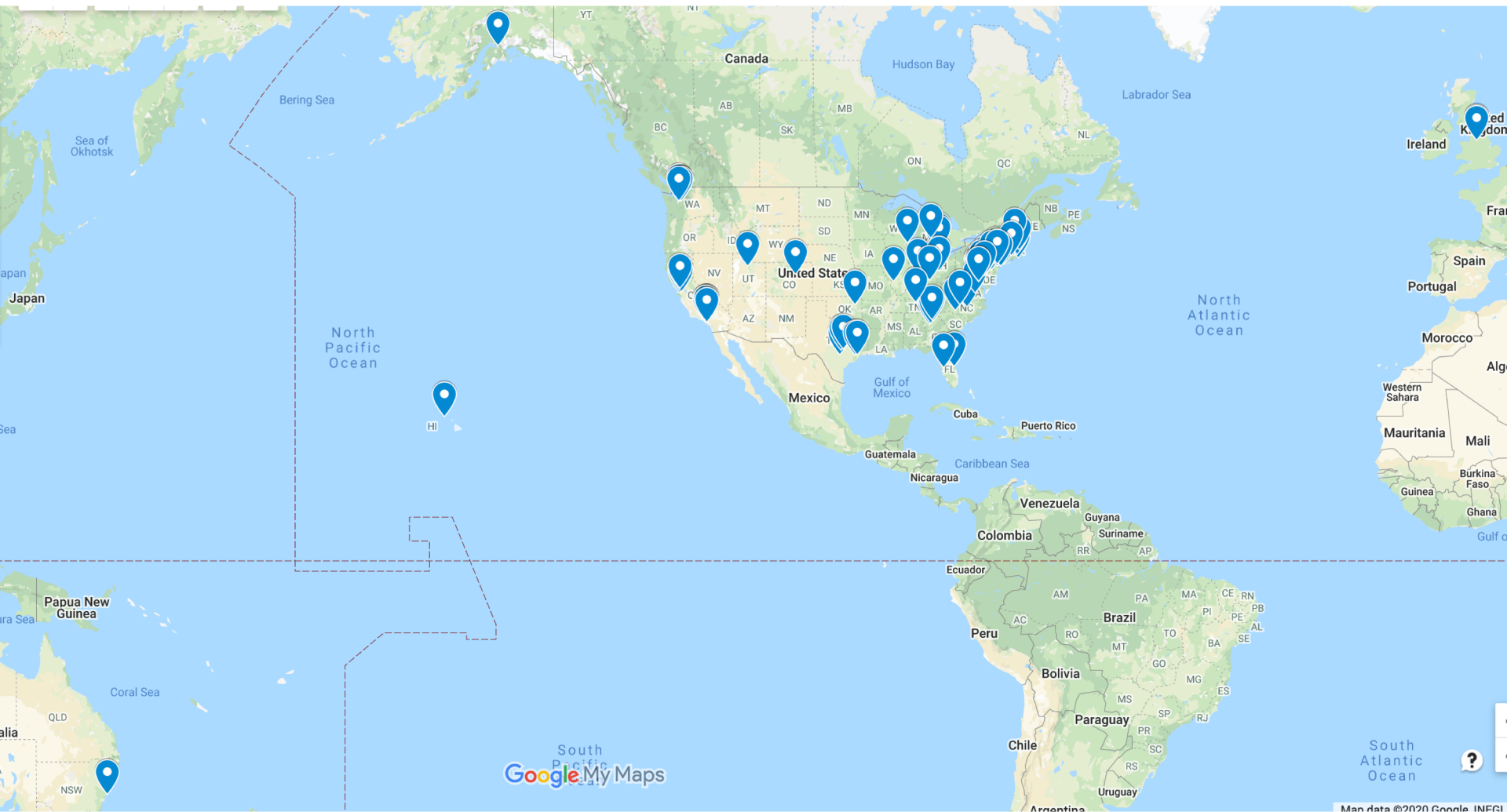


Boolean Girl Presents: Full STEM Ahead

Episode 4: Python Madlibs



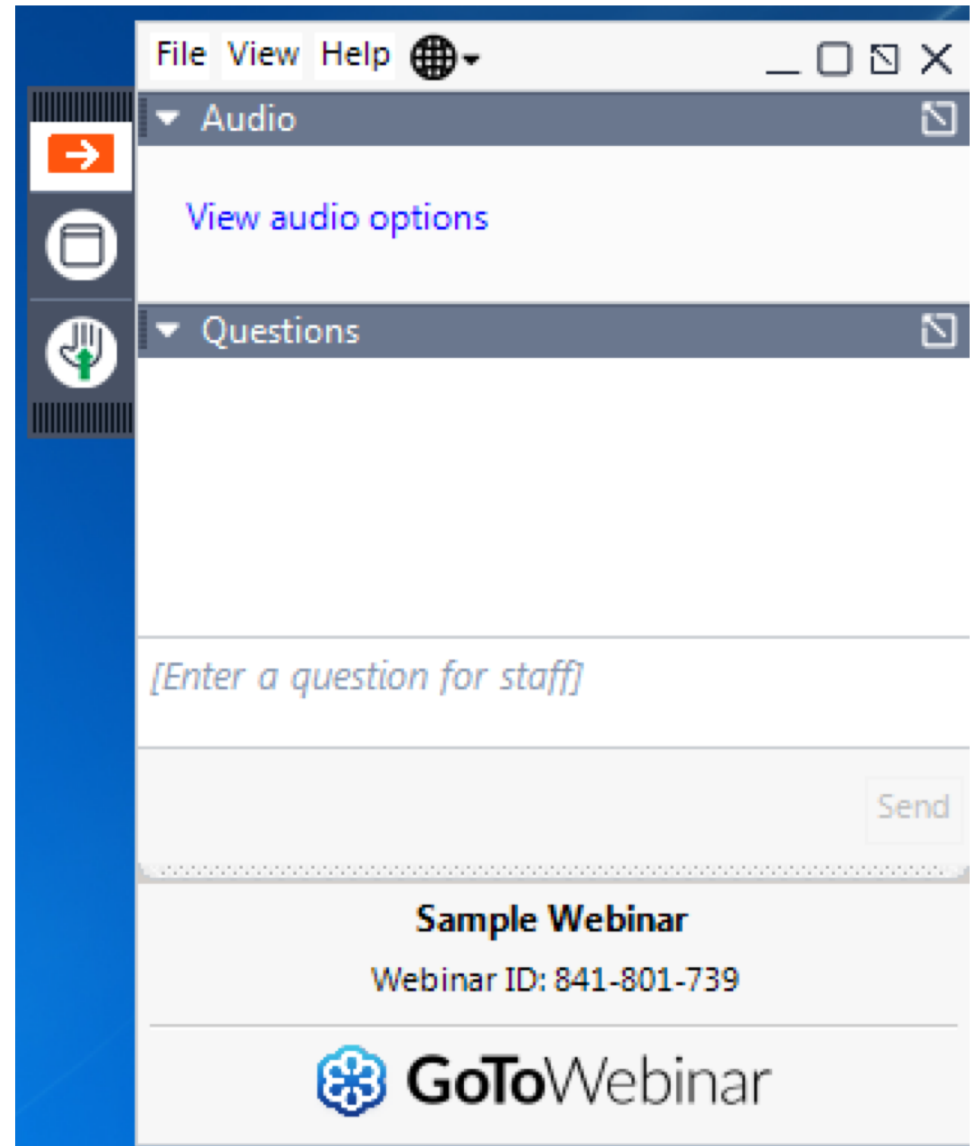
<https://booleangirl.org>



Raise Hand



Ask Question



In Scratch we broke the program into four sections:

1) In Scratch, you used blocks to build the introduction



In Python we only need 3 constructs:

1) In Python, you use a series of print statements to introduce the game.

```
print("Hello")
print("Let's make a fun and crazy story! ")
print("First I will ask you some questions")
print("Then I will use the answers to make
      the story!")
print("Let's get started!")
```


2) In Scratch, you created variables:



In Python, you don't have to create variables.
They are declared in the next step when you use them.

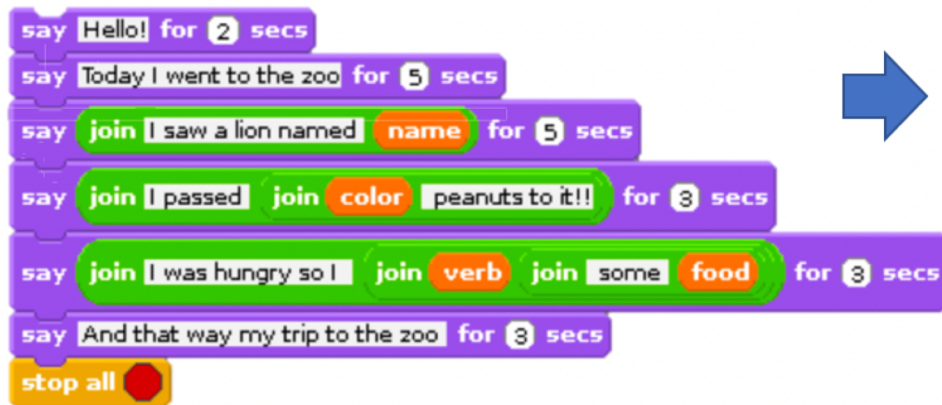
3) In Scratch, you asked the user to input words and assign to a variable:



3) In Python, you ask for the user to input some words, such as plural nouns and foods and assign these inputs to variables:

```
name = input("What is your name? ")
color = input("What is your favorite color? ")
verb = input("Give me verb ")
food = input("What is your favorite food? ")
```

4) In Scratch, you read the story back to the user by inserting variables in join strings:



4) In Python, you insert these variable values into the strings to complete the paragraph:

```
print("")
print("Hello!, Today I went to the zoo. ")
print("I saw a lion named " + name + ".")
print("I passed " + color + " peanuts to it!!")
print("I was hungry so I " + verb + " some " + food)
print("And that was my trip to the zoo!")
```

Resources

- Madlibs project: <https://booleangirl.org/lesson/madlibs-capture-user-input/>
- Replay, sample code and handouts:
<https://booleangirl.org/full-stem-ahead/past/>

Challenges

- Create your own mad libs, build it in Scratch or Python and play with your family
- Can't think of a good madlib, search of one online. Check out this site for printable madlib: <https://www.woojr.com/printable-madlibs-for-kids/>
- Try a google search for “**mad libs pdf**” for printed examples.



<https://booleangirl.org>