Welcome to CodeSpace

Mission 1

Pre-Mission Preparation
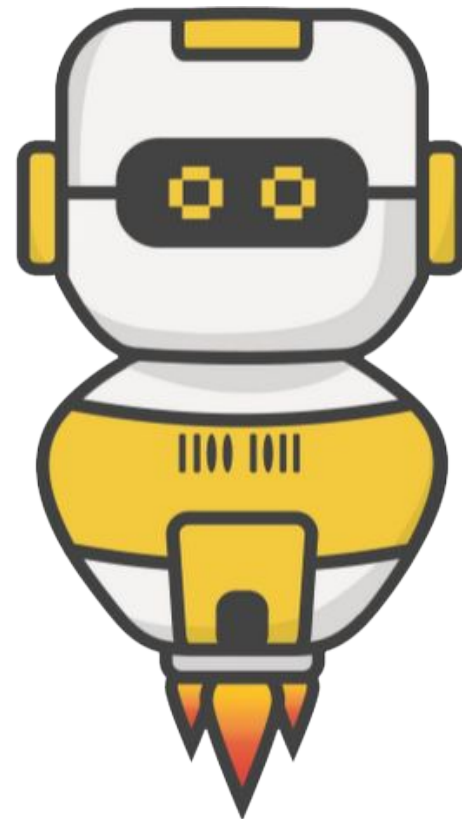
In your Mission 1 log, answer the pre-mission preparation question:

- What do you know about computer science or programming?
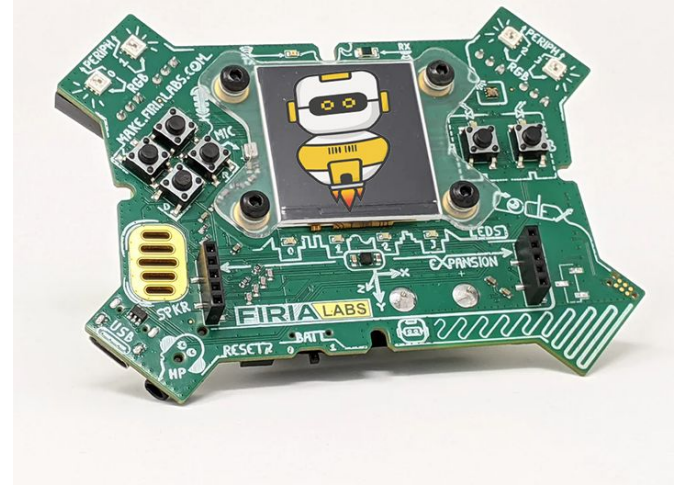
Mission 1: Welcome ✓
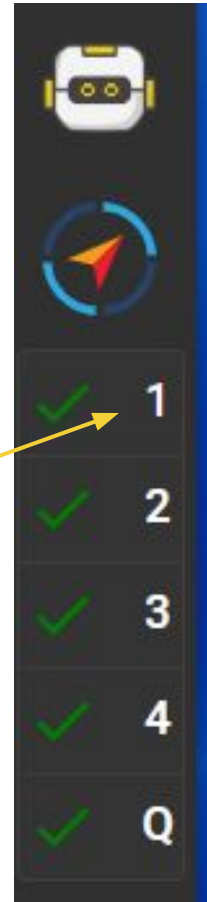Take a tour of the CodeSpace Development Environment.

What is CodeSpace?

A powerful online learning and coding environment

- Learn to code in Python
- Complete missions
- Test your code on a physical device

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Objective #1: Mission objectives

- Objectives are found on the right side of CodeSpace, in a vertical panel
- Each objective has at least one goal
- Hide the instruction panel by clicking on **1**
- Unhide the instruction panel by clicking on **1** again
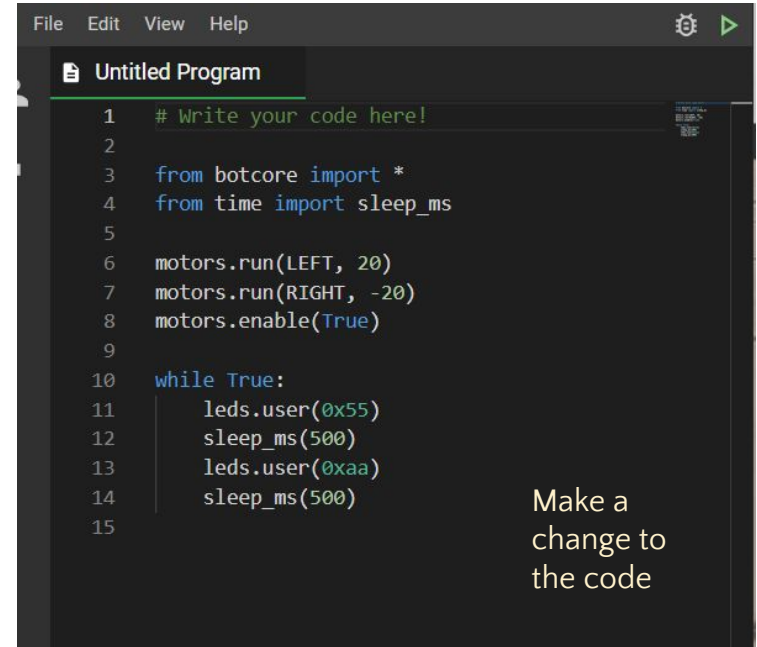
Mission Activity #1

DO THIS:

- Hide the instruction panel by clicking on **1**

- Unhide the instruction panel by clicking on **1** again

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Objective #2: Text editor

- The text editor is on the left side of CodeSpace
- It is where code will by typed


```
File  Edit  View  Help

📄 Untitled Program

 1    # Write your code here!
 2
 3    from botcore import *
 4    from time import sleep_ms
 5
 6    motors.run(LEFT, 20)
 7    motors.run(RIGHT, -20)
 8    motors.enable(True)
 9
10    while True:
11        leds.user(0x55)
12        sleep_ms(500)
13        leds.user(0xaa)
14        sleep_ms(500)
15
```
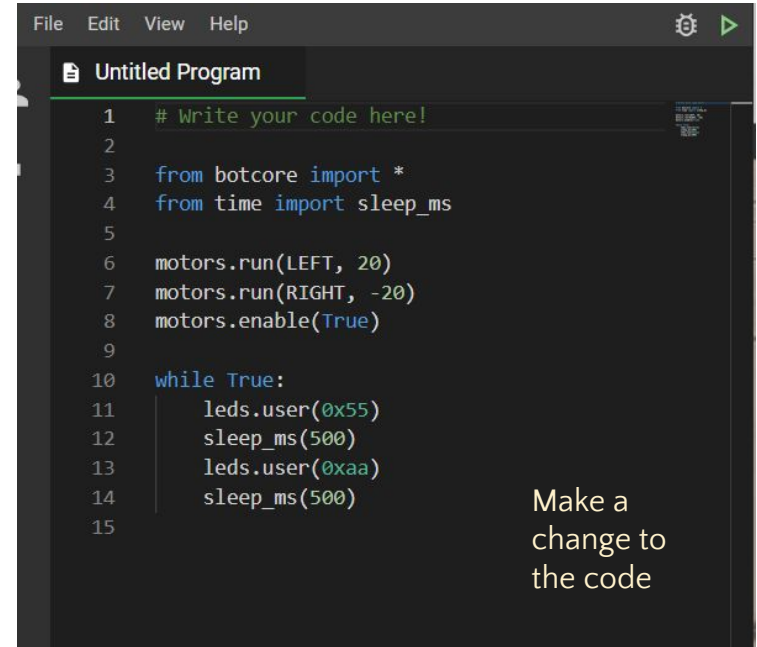
Make a change to the code

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Mission Activity #2

DO THIS:

- Click on a line of code in the text editor and make a change
  - Change a number
  - Add a blank line
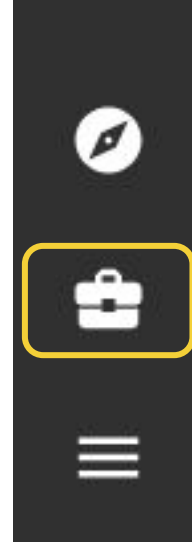 - Copy and paste a line of code
  - Change True to False

```
File   Edit   View   Help

📄 Untitled Program

1    # Write your code here!
2
3    from botcore import *
4    from time import sleep_ms
5
6    motors.run(LEFT, 20)
7    motors.run(RIGHT, -20)
8    motors.enable(True)
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10   while True:
11       leds.user(0x55)
12       sleep_ms(500)
13       leds.user(0xaa)
14       sleep_ms(500)
15
```

Make a change to the code

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Objective #3: Toolbox

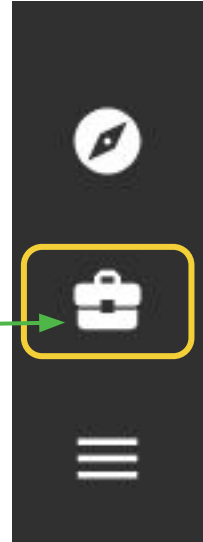- The toolbox is in the lower right side of CodeSpace
- Right now the toolbox is empty
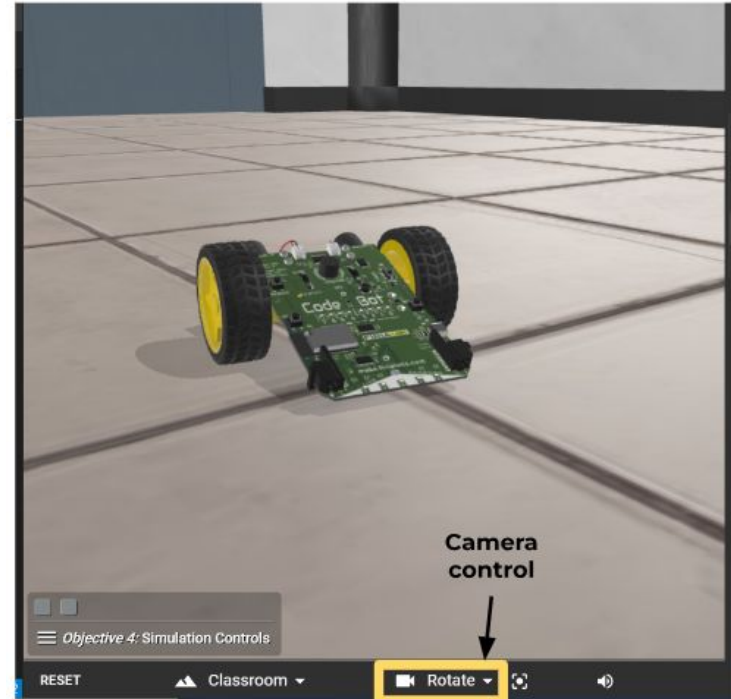
Mission Activity #3

DO THIS:

- Add a "tool" to the toolbox by clicking on 🔧debugging

- Open the toolbox by clicking the icon

- See your word!

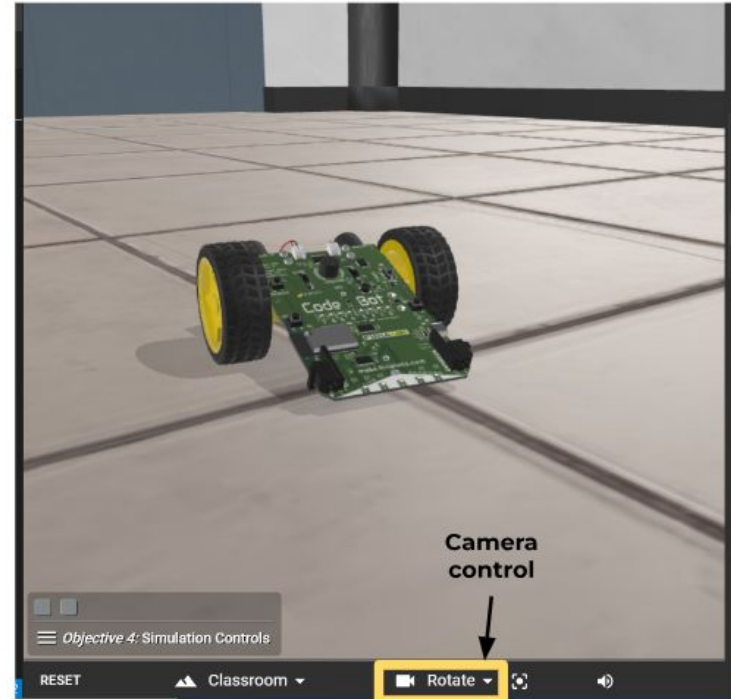- Close the toolbox

Objective #4: Simulation controls

- The camera controls are at the bottom panel of CodeSpace

Camera control

Mission Activity #4

DO THIS:

- Close the instruction panel
- Click on the triangle to open the camera controls
- Click on help
- Close the help panel
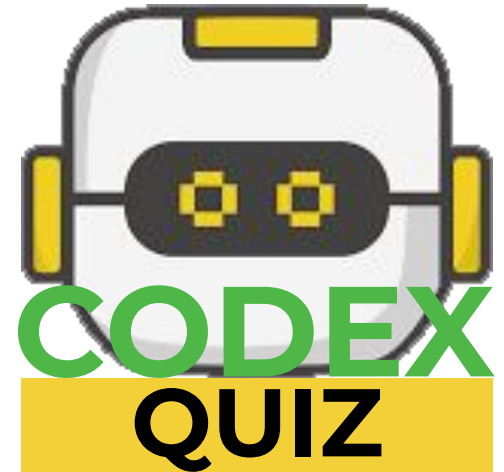- Rotate the view to make the scene spin several times

Camera control

Objective 4: Simulation Controls

RESET   Classroom ▾   📹 Rotate ▾   🔊

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Your first mission quiz

You have learned a lot about CodeSpace.
Now …. time for a quiz!

- Answer two quiz questions
- Read the "completed mission"
  message and click to complete the
  mission

CODEX
QUIZ

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Post-Mission Reflection

- Complete your Mission 1 Log

Post-Mission Reflection

What are three things you learned during this mission?

1._____

_____

_____

2. _____

_____

_____

3. _____

_____

_____

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