OCTOBER 28, 2021
SNAKE
Reloaded
WITH pyladies HOSTED BY KIWI.COM

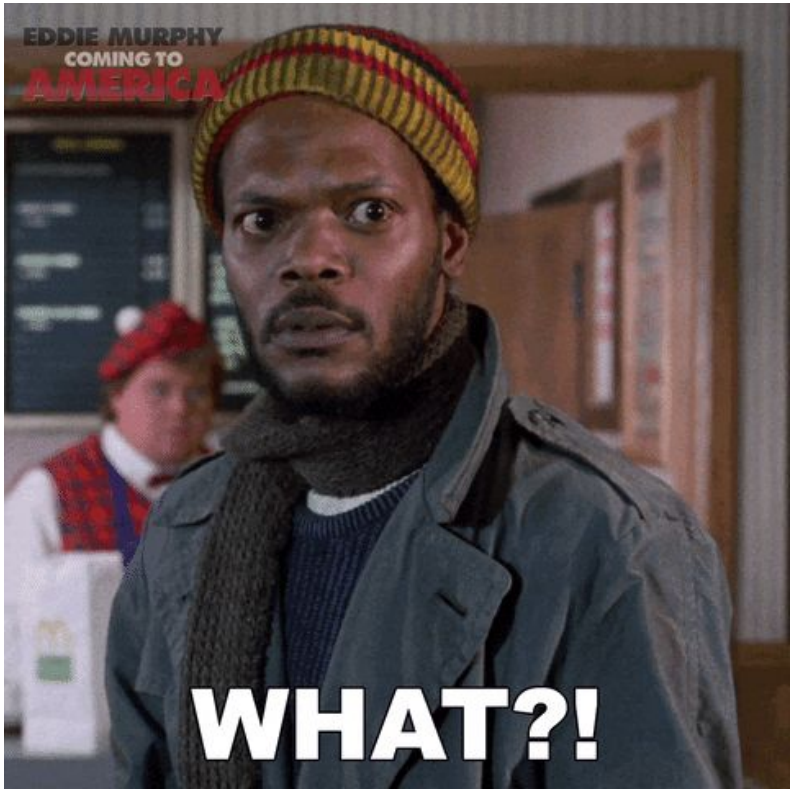
This meetup

1. Introduction
2. Battlesnake
3. Github
4. Replit
5. Let’s play!

How to create a snake?

1. Create an account and login to Battlesnake: https://play.battlesnake.com/
    a. Create a snake: give it a name and where is the url (later)?
2. Create an account and login to github: https://github.com/
    a. Use the Python template from Battlesnake: https://github.com/BattlesnakeOfficial/starter-snake-python
    b. It will create a new repository in your account with a copy of the template
3. Create an account and login to replit: https://replit.com/
    a. Deploy the repository you created in 2.a. to replit
    b. On the top right you will have the url of your snake.
    c. Fill it up in the snake your created in 1.a.

What was all that??



Let’s go over what we just did

1. **Battlesnake**: The game server
2. **Github**: The code of your snake, let’s take a look at it:
   a. `server.py`
   b. `Server_logic.py`
3. **Replit**: The service that allows you to edit your snake’s code and deploy it to the internet (makes your snake available “online” so that Battlesnake can use it).

How to make your snake look different?

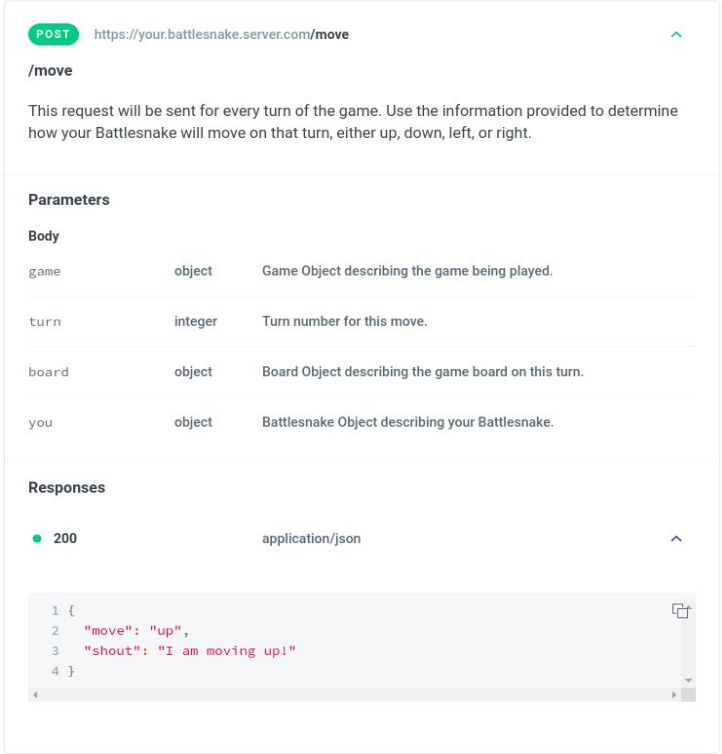
1. To make your snake look different you need to edit the `handle_info` function in the `server.py` file.
   a. Check the documentation to find out what options are available:

```
example-battlesnake-customization.json

{
 "apiversion": "1",
 "author": "MyUsername",
 "color" : "#888888",
 "head" : "default",
 "tail" : "default",
 "version" : "0.0.1-beta"
}
```

How to make your snake behave smarter?

1. To make your snake behave smarter you need to edit the `choose_move` function in the `server_logic.py` file.
2. To be able to edit it we need to know what the battlesnake server sends us:
   a. game
   b. turn
   c. board
   d. You
3. Check their definitions here: https://docs.battlesnake.com/references/api#object-definitions



How to push your changes to github?

1. To make your changes persistent you need to commit and push to your repository in github. In replit you can do that just by pressing one button and adding a nice message explaining what you changed.