Lab Activity – Self Exploration

Create an account from GitHub and please maintain your profile well for the sake of your future.

Find and take a look on the available public REST API such as <https://github.com/toddmotto/public-apis>

Choose one of the public API and understand the documentation.

1. List out the parameters that the API able to receive.

**https://opentdb.com/api.php**

1. amount: The number of questions wanted
2. difficulty: Difficulty of questions returned
3. token: Token that can be used to track question answered so there would be no duplicate
4. type: Type of questions, whether true or false or multiple choice

**https://opentdb.com/api\_token.php**

1. command: command that can be given are request (request new token) and reset (reset questions answered)

**https://opentdb.com/api\_category.php**

1. No parameters, it only return a list of categories.
2. List out are the responses that the API return (the JSON values).
   1. **https://opentdb.com/api.php**
      1. **response\_code**
      2. **results**
         1. **category**
         2. **type**
         3. **difficulty**
         4. **question**
         5. **correct\_answer**
         6. **incorrect\_answers**
   2. **https://opentdb.com/api\_token.php**
      1. **response\_code**
      2. **response\_message**
      3. **token**
   3. **https://opentdb.com/api\_category.php**
      1. **trivia\_categories**
         1. **id**
         2. **name**
3. Create an application that able to interact with the API that you have chosen. The application should be able to pass parameters according to user input (no fixed or hard-coded parameters).
4. Create a repository and upload your source code to your GitHub account together with some screenshot of your application to the README.
5. Submit this word document into ULearn together with your GitHub URL repository stated in this document.

https://github.com/zarifulradzuan/TriviaMachine