

# API - 1:

**API:**

```
const person = {
  found: 2,
  message: "Found 2 persons",
  result: [
    {
      name: {
        common: "John",
        fullName: ["John", "Doe"]
      },
      age: 32,
      isMale: false,
      address: {
        street: "13/A St Joseph",
        house: 10,
      },
    },
    {
      name: {
        common: "Humayoun",
        fullName: ["Humayoun", "Kabir"]
      },
      age: 33,
      isMale: false,
      address: {
        street: "13/A St Lucia",
        house: 11,
      },
    },
  ],
};
```

**Your task:**

1. Try to build like the sample UI

**Sample UI:**

## Found 2 persons

Person Name: John

age: 32

Street: 13/A St Joseph, House No.: 10

Person Name: Humayoun

age: 33

Street: 13/A St Lucia, House No.: 11

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## API - 2:

API:

```
const data = [  
  {  
    _id: "60795d4e0489a32f948c4167",  
    name: "Honda Sedan",  
    price: "132",  
    description:  
      "Vehicle Type: Sedan, Doors: 2, Seats: 2, Luggage: 2 Suitcases / 2 Bags,  
Transmission: Automatic",  
    imageURL: "https://i.ibb.co/54WzQjR/Honda.png",  
  },  
  {  
    _id: "60795e440489a32f948c4168",  
    name: "MitoSedan",  
    price: "221",  
    description:  
      "Vehicle Type: Sedan, Doors: 2, Seats: 2, Luggage: 2 Suitcases / 2 Bags,  
Transmission: Manual",  
    imageURL: "https://i.ibb.co/802Rwsq/Mito.png",  
  },  
  {  
    _id: "60795fc20489a32f948c4169",  
    name: "Isuzu Tacoma",  
    price: "105",  
    description:
```

```
    "Vehicle Type: Pickup Truck, Doors: 5, Seats: 4, Luggage: 6 Suitcases / 8  
Bags, Transmission: Manual",  
    imageURL: "https://i.ibb.co/SJK7QYs/isuzu.png",  
  },  
  {  
    _id: "6079615d0489a32f948c416a",  
    name: "Chevrolet Crossover",  
    price: "434",  
    description:  
      "Vehicle Type: Crossover, Doors: 5, Seats: 7, Luggage: 5Suitcases / 5Bags,  
Transmission: Automatic",  
  },  
];
```

**Your task:**

2. Try to build like the sample UI

**Sample UI:**

Car Name: Honda Sedan

Car Detail: Vehicle Type: Sedan, Doors: 2,  
Seats: 2, Luggage: 2 Suitcases / 2 Bags,  
Transmission: Automatic

Car Price: 132



Car Name: MiToSedan

Car Detail: Vehicle Type: Sedan, Doors: 2,  
Seats: 2, Luggage: 2 Suitcases / 2 Bags,  
Transmission: Manual

Car Price: 221

## API - 3:

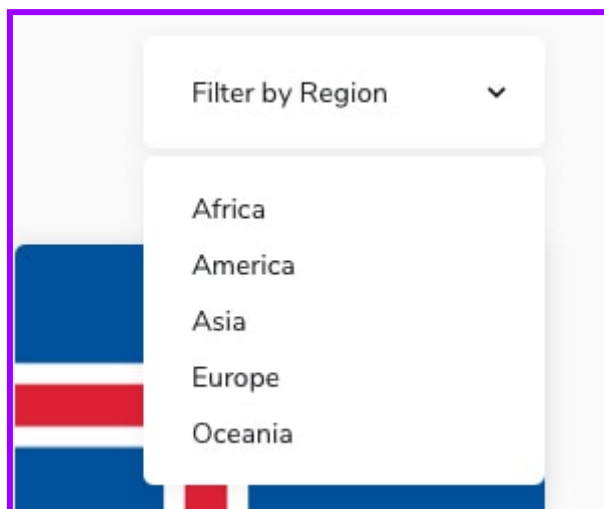
**API Documentation Link:**

<https://restcountries.com/>

**Your task:**

1. Upgrade the rest countries for the following tasks:
  - a. Filter your rest countries by -
    - i. Region
    - ii. Capital city
    - iii. Language

**Sample UI:**



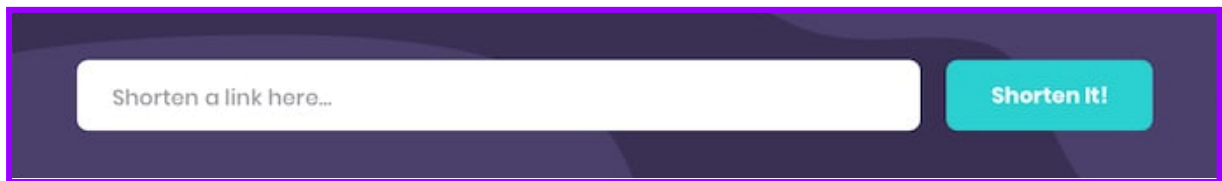
## API - 4:

**API Documentation Link:** <https://shrtco.de/tools/shorten>

**Your task:**

1. Design a simple UI having an input field and button called "Shorten it!"
2. Anyone will be able to shorten any URL ( valid url ) after clicking the button.
3. Add an eye icon as a button in your design, after clicking the eye button, see a list of their shortened links. You can show these in modal or anything.
4. Add another button called "Copy link" , Copy the shortened link to your clipboard through a single click
  - a. Copy text in your clipboard resource:  
[https://www.w3schools.com/howto/howto\\_js\\_copy\\_clipboard.asp](https://www.w3schools.com/howto/howto_js_copy_clipboard.asp)
5. Show an error message when the "Shorten it!" is clicked if:
  - a. The input field is empty

**Sample UI:**

A sample user interface for a URL shortener. It features a dark purple background with a lighter purple gradient. On the left, there is a white input field with the placeholder text "Shorten a link here...". To the right of the input field is a teal button with the text "Shorten It!" in white.

**Example:**

**Link before shorten:** <https://github.com/ProgrammingHero1?tab=repositories>

**API response:**

<https://api.shrtco.de/v2/shorten?url=https://github.com/ProgrammingHero1?tab=repositories>

**Shortened link-1:** <https://shrtco.de/V6tsTq>

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## API - 5:

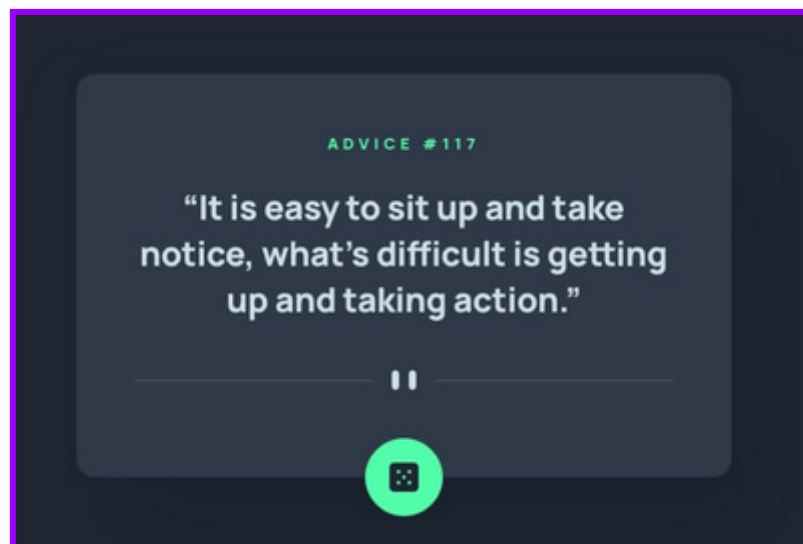
### API Documentation Link:

<https://api.adviceslip.com/>

### Your task:

1. Explore the API and do any design.
2. Show any random advice for every time reload.
3. Show advice by ID.
4. Query advices for any keyword

### Sample UI:



### Sample response:

total\_results: "7"

query: "own"

▼ slips: [ {...}, {...}, {...}, {...}, {...}, {...}, {...} ]

- ▶ 0: Object { id: 2, advice: "Smile and the world smiles with you. Frown and you're on your own.", date: "2015-11-18" }
- ▶ 1: Object { id: 6, advice: "Never cut your own fringe.", date: "2017-01-19" }
- ▶ 2: Object { id: 33, advice: "Don't let the bastards grind you down.", date: "2016-10-08" }
- ▶ 3: Object { id: 44, advice: "If you are feeling down, try holding a pencil between your top lip and your nose for five minutes.", date: "2016-10-19" }
- ▶ 4: Object { id: 148, advice: "Some people would be better off if they took their own advice.", date: "2017-01-05" }
- ▶ 5: Object { id: 177, advice: "Everyone has their down days. Don't take it out on innocent bystanders.", date: "2017-02-13" }
- ▶ 6: Object { id: 222, advice: "Respect other people's opinions, even when they differ from your own.", date: "2021-08-16" }

**Example:**

**Link-1:** <https://api.adviceslip.com/advice>

**Link-2:** <https://api.adviceslip.com/advice/search/own>

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## **API - 6:**

**API Documentation Link:**

<https://dictionaryapi.dev/>

**Your task:**

1. Explore the API and do any design.
2. Search for any valid word
3. Show error message for invalid word search (from response for invalid word)
4. Show the phonetic.
5. Play the audio file for the word if it is available
6. Show the synonyms and antonyms for the first partOfSpeech of the word if available
7. Explore more.

**Sample UI:**

# keyboard

*/ˈkiːboʊd/*

**noun**

Meaning

- (etc.) A set of keys used to operate a typewriter, computer etc.
- A component of many instruments including the piano, organ, and harpsichord consisting of usually black and white keys that cause different tones to be produced when struck.
- A device with keys of a musical keyboard, used to control electronic sound-producing devices which may be built into or separate from the keyboard device.

Synonyms **electronic keyboard**

**verb**

Meaning

- To type on a computer keyboard.

"Keyboarding is the part of this job I hate the most."

Source <https://en.wiktionary.org/wiki/keyboard>

### Sample Response:

```

{
  "0": {
    "partOfSpeech": "noun",
    "definitions": [...]
  },
  "synonyms": [
    {
      "0": "chap",
      "1": "guy",
      "2": "lad",
      "3": "mate",
      "4": "brat",
      "5": "knave",
      "6": "squirt",
      "7": "manservant",
      "8": "son"
    }
  ],
  "antonyms": []
}

```

### Example:

Link-1: <https://api.dictionaryapi.dev/api/v2/entries/en/hello>

Link-2: <https://api.dictionaryapi.dev/api/v2/entries/en/boy>

Link-3: <https://api.dictionaryapi.dev/api/v2/entries/en/keyboard>



## **API - 7 (a): Advanced**

### **API Documentation Link:**

<https://docs.github.com/en/rest/users/users?apiVersion=2022-11-28#list-users>

### **Your task:**

1. Explore the API & build UI & design anything by yourself for the following tasks
  - a. Show first 10 users name
  - b. Show the 10 users github photo
  - c. For every 10 user, show their 2 followers github photo (avatar\_url) -> [2nd api call needed here]
  - d. Show 10 users github repository link. (find the link from your API)
2. You have more options in this API, explore more by yourself.

### **Example:**

Link with 10 users max in a page: [https://api.github.com/users?per\\_page=10](https://api.github.com/users?per_page=10)

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## **API - 7(b): Advanced**

### **API Documentation Link:**

<https://docs.github.com/en/rest/users/users?apiVersion=2022-11-28#get-a-user>

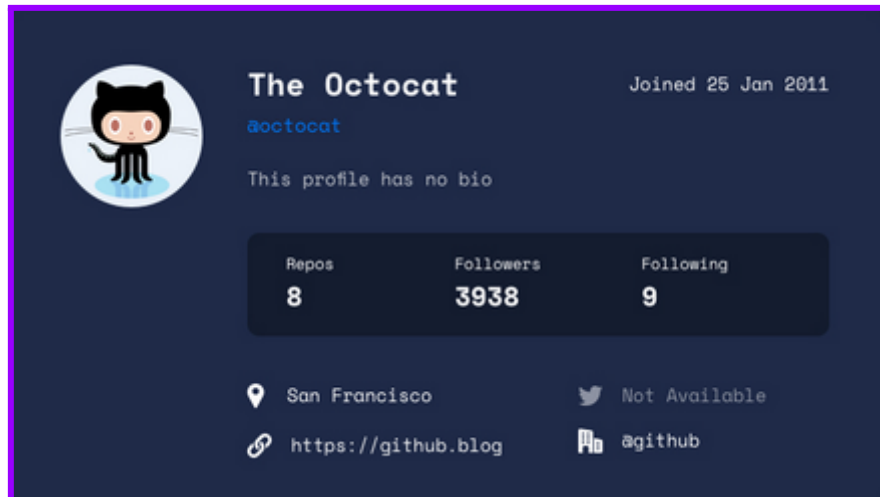
### **Your task:**

1. Explore the API & build UI & design anything by yourself for the following tasks
  - a. Show user name, blog name, bio
  - b. Show github photo
  - c. Show first 2 followers details -> [2nd api call needed here]
  - d. Show location, total followers numbers, following numbers, location.
  - e. Show dates of
    - i. first joined,

ii. last updated anything in github.

2. You have more options in this API, explore more by yourself.

Sample UI:



Example:

Link: <https://api.github.com/users/programminghero1>

More to explore: [https://api.github.com/users/ProgrammingHero1/followers?per\\_page=5](https://api.github.com/users/ProgrammingHero1/followers?per_page=5)