

## Task 1:

**Objective:** Write a Python script to scrape real-time event data from a public event listing website (e.g., Meetup, Eventbrite). A template script will be provided with necessary functions and their inputs.

### Functionality:

- a. Your script should fetch the next 10 upcoming events from the website:  
<https://www.themoviedb.org/movie/upcoming?language=en-CA>.
- b. Parse the website's HTML to extract key event details, such as the title, date, location, and description.
- c. The results should be structured as a **JSON** object.
- d. Include error handling in case of issues like network failures or missing data.

### Requirements:

- a) Use **requests** to fetch the webpage.
- b) Use **BeautifulSoup** (or an equivalent HTML parser) to parse the HTML and extract event data.
- c) The JSON output should include the following fields for each event:
  - i) **title** (string)
  - ii) **date** (string)
  - iii) **location** (string)
  - iv) **description** (string)

### 2. Constraints:

- You may not use any pre-built web scraping libraries that would automatically handle the extraction (e.g., Scrapy, Selenium).
- Your code should not rely on scraping a particular website, so ensure it's generalizable.
- Aim for **clear, readable code** with meaningful variable names and comments explaining your logic.
- Test your script with a sample URL and ensure it handles empty or missing data correctly.

### Example Output as a JSON:

```
[  
  {  
    "title": "Event 1",  
    "date": "2024-11-25",  
    "location": "CA",  
    "description": "Description of Event 1"  
  },  
  {  
    "title": "Event 2",  
    "date": "2024-11-26",  
    "location": "HK",  
    "description": "Description of Event 2"  
  }  
]
```