

AI-ASSISTED CODING

LAB TEST-1

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BATCH:04

QUESTION: 1

TASK 1:

PROMPT:

Write a python code that shows/brings the news from the internet using an API key, And keep that(API key) inside the code.

CODE:

```
# write a python code that shows/brings news from the internet using an api key, And keep that(API key) inside the code(not secure)

import requests

API_KEY = "022ee746bc164d28af412c7dfdfcd3b5" # Replace with your actual API key
NEWS_API_URL = "https://newsapi.org/v2/top-headlines"
PARAMS = {
    "country": "us",
    "apiKey": API_KEY
}

def fetch_news():
    response = requests.get(NEWS_API_URL, params=PARAMS)
    if response.status_code == 200:
        data = response.json()
        articles = data.get("articles", [])
        for idx, article in enumerate(articles, 1):
            print(f"{idx}. {article.get('title')}")
            print(f"    {article.get('description')}\n")
    else:
        print("Failed to fetch news:", response.status_code)

if __name__ == "__main__":
    fetch_news()
```

OUTPUT:

```
ictures/Desktop/lab-test-01.py
1. Israeli airstrikes targeting Iran-backed Houthis rock Yemen's capital - The Washington Post
   Israeli airstrikes have hit Yemen's capital, days after the Iranian-backed Houthi rebels fired what the Israeli military described as the f
   irst cluster bomb they've launched since 2023

2. MONDAY'S BLOG: Stock Market Today: Dow Futures Tick Lower -- Live Updates - The Wall Street Journal
   None

3. First human case of flesh-eating screwworm parasite detected in the U.S. - NBC News
   The first human case of the flesh-eating parasite new world screwworm has been detected in the United States, the Department of Health and
   Human Services said early Monday

4. U.S. Treasury yields tick higher as investors look toward key inflation data later in the week - CNBC
   Treasury yields inched higher as investors look toward key inflation data later in the week.

5. Selena Gomez Shows off Her Curves During Cabo Trip - yahoo.com
   None

6. Daniil Medvedev exits US Open after photographer incident on match point - Al Jazeera
   Ex-US Open champ suffers a meltdown against Benjamin Bonzi after an errant photographer's action caused a point replay.

7. Wes Moore trades barbs with Trump over threat to send "troops" to Maryland - Axios
```

OBSERVATION:

This code consists a API key which is entered statically, which helps us to find the news from the internet easily

TASK-2:

PROMPT:

Write a python code that brings the news from the internet using a API key ,And allow the user to input(dynamically) the API key

CODE:

```
import requests

def fetch_news(api_key):
    NEWS_API_URL = "https://newsapi.org/v2/top-headlines"
    PARAMS = {
        "country": "us",
        "apiKey": api_key
    }
    response = requests.get(NEWS_API_URL, params=PARAMS)
    if response.status_code == 200:
        data = response.json()
        articles = data.get("articles", [])
        for idx, article in enumerate(articles, 1):
            print(f"{idx}. {article.get('title')}")
            print(f"    {article.get('description')}\n")
    else:
        print("Failed to fetch news:", response.status_code)

if __name__ == "__main__":
    api_key = input("Enter your News API key: ")
    fetch_news(api_key)
```

OUTPUT:

```
Enter your News API key: 022ee746bc164d28af412c7dfdfcd3b5
1. 20 Palestinians, including 4 journalists, killed in IDF strike on Gaza hospital - Axios
   Several of the victims are members of the hospital's medical team, hospital director Atef al-Hout said.

2. Madison Beer, Justin Herbert Link Up at Pal's Pad Amid Romance Rumors - TMZ
   Justin Herbert may've scored big in the love department ... the NFL quarterback was all smiles while out once more with Madison Beer amid r
omance rumors.

3. 2025 NFL roster cuts tracker: Live updates from all 32 teams for Tuesday cutdown deadline - NBC Sports
   NFL teams are cutting from their 90-player training camp rosters to the 53-man roster limit for the regular season, and we'll be regularly
updating this space with links to all our posts on the biggest news from roster cutdowns.

4. Intel, Keurig Dr Pepper, Wayfair, Strategy, Nvidia, Vital Energy, and More Movers - Barron's
   None

5. Live updates: Kilmar Abrego Garcia is detained by ICE and facing possible deportation to Uganda - AP News
   None

6. AMD Stock Slips Alongside New Radeon RDNA 5 GPU Leaks - TipRanks
   AMD stock was down on Monday alongside new leaks for reported Radeon RDNA 5 discrete GPUs.

7. Musk companies sue Apple, OpenAI alleging anticompetitive scheme - CNBC
   Apple last year partnered with OpenAI to integrate ChatGPT into iPhone, iPad, Mac laptop and desktop products.
```

OBSERVATION:

This code allows the user to input the API key, and the code throws an error if the API did not respond and dynamic input is safer than static input because it can be visible to all if we post it publicly and may be misused. So dynamic input is good.

QUESTION:2

TASK:1

PROMPT:

Design a safe prompt that ensures AI responds with General advice only. A disclaimer recommending consultation with a doctor.

OUTPUT:

1. Explain this health issue in simple, general terms. Don't suggest any medicines. Add a disclaimer that I should check with a doctor.
2. Give me easy-to-understand, general wellness advice about this topic. Always finish with a disclaimer recommending a doctor's consultation.

OBSERVATION:

Using a safe prompt makes the AI give only general advice and always remind the user to consult a doctor. This prevents misuse and keeps the response responsible.

TASK :2

PROMPT:

Give me a 7-day travel plan for Delhi that fits a small budget and matches the current weather.

OUTPUT:

Generate a detailed 7-day travel itinerary for Delhi, India. Please consider the current weather conditions and suggest activities that are suitable for the season.

Also, ensure the itinerary is budget-friendly, including recommendations for affordable accommodation, food, and transportation

OBSERVATION:

The prompt given by github copilot generates an efficient itinerary for delhi,India by considering all the needs given by the user.