

Week-2 PSOSM 2023

1. What is the primary data format utilised by the Reddit API when returning information?
 - a. **JSON**
 - b. XML
 - c. HTML
 - d. CSV
2. JSON stands
 - a) **JavaScript Object Notation**
 - b) JavaScript Object Network
 - c) JavaScript Oriented Notation
 - d) JavaScript Oriented Namespace
3. Suppose you want to retrieve the top 5 hottest posts from the subreddit "r/technology" using the Reddit API. Which Python library would you most likely use to achieve this?
 - a. **PRAW**
 - b. Requests
 - c. Urllib
 - d. JSON

Explanation: PRAW (Python Reddit API Wrapper) is a Python library designed explicitly for interacting with the Reddit API. Using PRAW, you can easily retrieve the top 5 hottest posts from the subreddit "r/technology" and perform various other interactions with the Reddit platform.

4. You want to fetch the details of the 10 hot posts from the subreddit "r/worldnews" using the Reddit API in Python. Which is the correct code snippet from below options?

```
a) import praw
    reddit = praw.Reddit(client_id='MY_CLIENT_ID',
    client_secret='MY_CLIENT_SECRET', user_agent='MY_USER_AGENT')
    posts = reddit.subreddit('worldnews').hot(limit=10)
    for post in posts:
        print(post.title)
```

```
b) import requests
    url = "https://www.reddit.com/r/worldnews/new.json?limit=10"
    response = requests.get(url)
    data = response.json()
    for post in data['data']['children']:
        print(post['data']['title'])
```

```
c) import praw
reddit = praw.Reddit(client_id='MY_CLIENT_ID',
client_secret='MY_CLIENT_SECRET', user_agent='MY_USER_AGENT')
posts = reddit.subreddit('worldnews').new(limit=10)
for post in posts:
    print(post.title)
d) None of the above
```

5. Which of the following tweet content falls in category of linguistic features?

- a. Number of followers
- b. Presence of negative emotion words
- c. Presence of smiley
- d. Presence of pronouns

6. Why do we do network analysis on social media platforms?

- a) To analyze the performance of computer networks and improve data transmission speeds.
- b) To understand the social structures and relationships between individuals or entities in a network.
- c) To study the behavior of network protocols and optimize their efficiency.
- d) To identify and analyze patterns of diseases spreading within a population.

7. Which of the following is a recent example of misinformation spread on social media platforms?

- a) Tweet claiming that a particular brand of COVID-19 vaccine causes severe side effects, with no evidence to support the claim.
- b) Facebook post sharing information from a well-known health organization about the effectiveness of vaccination.
- c) Instagram story containing accurate information about a recent political development with credible sources cited.
- d) YouTube video providing a detailed explanation of climate change supported by scientific evidence.

8. Given a MongoDB collection named "employees" with the following document structure:

```
{
  "_id": ObjectId("615243d88f0ae43f255874c1"),
  "name": "Ram",
  "department": "CSE",
  "age": 35,
  "salary": 50000
}
```

}

What MongoDB query would you use to retrieve all employees with a salary greater than or equal to 60000?

- a) `db.employees.find({ "salary": { $gte: 60000 } })`
- b) `db.employees.find({ "salary": { $gt: 60000 } })`
- c) `db.employees.find({ "salary": { $lte: 60000 } })`
- d) `db.employees.find({ "salary": { $lt: 60000 } })`

9. You are developing a social media platform, and you have a database table, "posts" to store user posts. The "posts" table schema is given below:

```
CREATE TABLE posts (  
  post_id INT PRIMARY KEY,  
  user_id INT,  
  post_content TEXT,  
  post_date DATETIME  
);
```

Now, you want to retrieve the 5 most recent posts made by a specific user with the user ID "12345". Which SQL query would you use?

- a) `SELECT * FROM posts WHERE user_id = 12345 ORDER BY post_date DESC LIMIT 5;`
- b) `SELECT * FROM posts WHERE user_id = 12345 ORDER BY post_id DESC LIMIT 5;`
- c) `SELECT * FROM posts WHERE user_id = 12345 ORDER BY post_date ASC LIMIT 5;`
- d) `SELECT * FROM posts WHERE user_id = 12345 ORDER BY post_id ASC LIMIT 5;`

10. What is the Facebook Graph API as discussed in lecture?

- a) An API that provides access to a user's Facebook friends list.
- b) An API that allows developers to create and manage Facebook pages.
- c) An API that enables developers to integrate Facebook login into their applications for user authentication.
- d) An API that provides access to a wide range of user data, interactions, and connections on Facebook.