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Description automatically generated

This Python code sends a GET request to an API endpoint (`https://exchangeratespro.p.rapidapi.com/latest`) to retrieve the latest exchange rates. It specifies the base currency as USD and includes necessary headers for authentication. The response is printed in JSON format, displaying the exchange rate data.

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**Result :**

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This Python script utilizes Dash, a web framework, to create a live dashboard displaying exchange rates fetched from an API. The code defines a function (`fetch\_exchange\_rates()`) to retrieve JSON data from a specified endpoint (`https://exchangeratespro.p.rapidapi.com/latest`). This data is parsed to extract exchange rates relative to the USD base currency.

The Dash application (`app`) initializes a layout containing an `<h1>` header and a `<div>` (`exchange-rates`) where rates will be displayed. An `Interval` component triggers updates every minute, calling `fetch\_exchange\_rates()` to retrieve the latest rates. The callback function (`update\_exchange\_rates()`) dynamically updates the displayed table with fetched rates.

Expected Output:

Upon running the script, a local server hosts the Dash dashboard accessible at `http://127.0.0.1:8050/`. The webpage displays a title ("Exchange Rates Dashboard") and a table showing currency rates relative to USD. The table updates automatically every minute, reflecting the most recent exchange rates fetched from the API. Users can view this information in real-time within their web browser.