Currency Converter API Documentation

Base URL

http://{host}:{port}/api

Endpoints

1. Get Exchange Rates

Request

Method: GET

/api/rates

Query Parameters:

- base (String, Optional, Default: USD) - The base currency for exchange rates.

Response (200 OK)

```
{
  "EUR": 0.92,
  "GBP": 0.78,
  "INR": 74.5
}
```

2. Convert Currency

Request

Method: POST

/api/convert

Request Body:

```
{
```

```json
  "from": "USD",

  "to": "EUR",

  "amount": 100

}
```

Response (200 OK)

```json
{

  "from": "USD",

  "to": "EUR",

  "amount": 100,

  "convertedAmount": 92.5

}
```

Error Handling

The API returns error responses with appropriate HTTP status codes. Example:

```json
{

  "error": "Invalid currency code"

}
```

Notes

- The API fetches real-time exchange rates from a third-party service.

- Ensure the currency codes follow the ISO 4217 standard (e.g., USD, EUR, INR).