

```
In [6]: import requests
```

```
# Where USD is the base currency you want to use
url = 'https://v6.exchangerate-api.com/v6/412f87199e32dc6126995456/latest/USD'

# Making our request
response = requests.get(url)
data = response.json()

# Your JSON object
print(data)
```

```
{'result': 'success', 'documentation': 'https://www.exchangerate-api.com/docs', 'terms_of_use': 'https://www.exchangerate-api.com/terms', 'time_last_update_unix': 1635033601, 'time_last_update_utc': 'Sun, 24 Oct 2021 00:00:01 +0000', 'time_next_update_unix': 1635120001, 'time_next_update_utc': 'Mon, 25 Oct 2021 00:00:01 +0000', 'base_code': 'USD', 'conversion_rates': {'USD': 1, 'AED': 3.6725, 'AFN': 84.9473, 'ALL': 104.7158, 'AMD': 477.8697, 'ANG': 1.79, 'AOA': 603.4834, 'ARS': 99.4535, 'AUD': 1.3359, 'AWG': 1.79, 'AZN': 1.7022, 'BAM': 1.679, 'BBD': 2.0, 'BDT': 85.6787, 'BGN': 1.6795, 'BHD': 0.376, 'BIF': 1987.8519, 'BMD': 1.0, 'BND': 1.3457, 'BOB': 6.8951, 'BRL': 5.6696, 'BSD': 1.0, 'BTN': 74.8587, 'BWP': 11.2043, 'BYN': 2.4336, 'BZD': 2.0, 'CAD': 1.2322, 'CDF': 1992.2156, 'CHF': 0.9167, 'CLP': 816.6891, 'CNY': 6.3875, 'COP': 3759.1919, 'CRC': 629.1904, 'CUC': 1.0, 'CUP': 25.0, 'CVE': 94.6557, 'CZK': 22.0803, 'DJF': 177.721, 'DKK': 6.4043, 'DOP': 56.3001, 'DZD': 137.2304, 'EGP': 15.6991, 'ERN': 15.0, 'ETB': 47.3837, 'EUR': 0.8585, 'FJD': 2.0667, 'FKP': 0.7254, 'FOK': 6.4043, 'GBP': 0.7255, 'GEL': 3.1379, 'GGP': 0.7254, 'GHS': 6.0777, 'GIP': 0.7254, 'GMD': 52.7539, 'GNF': 9721.2289, 'GTQ': 7.7428, 'GYD': 210.0186, 'HKD': 7.7716, 'HNL': 24.1257, 'HRK': 6.4679, 'HTG': 99.767, 'HUF': 313.5777, 'IDR': 14118.8854, 'ILS': 3.2216, 'IMP': 0.7254, 'INR': 74.8592, 'IQD': 1464.8427, 'IRR': 42073.8934, 'ISK': 128.9558, 'JMD': 151.8121, 'JOD': 0.709, 'JPY': 113.7222, 'KES': 111.0642, 'KGS': 84.9468, 'KHR': 4087.3349, 'KID': 1.3359, 'KMF': 422.324, 'KRW': 1177.525, 'KWD': 0.2996, 'KYD': 0.8333, 'KZT': 426.3251, 'LAK': 10138.5456, 'LBP': 1507.5, 'LKR': 200.8346, 'LRD': 163.7368, 'LSL': 14.7038, 'LYD': 4.5751, 'MAD': 9.0438, 'MDL': 17.4175, 'MGA': 3975.3067, 'MKD': 53.1141, 'MMK': 1893.8892, 'MNT': 2862.9089, 'MOP': 8.0047, 'MRU': 36.3319, 'MUR': 42.7375, 'MVR': 15.4493, 'MWK': 816.0066, 'MXN': 20.2348, 'MYR': 4.1536, 'MZN': 64.1438, 'NAD': 14.7038, 'NGN': 422.7203, 'NIO': 35.2377, 'NOK': 8.3439, 'NPR': 119.7739, 'NZD': 1.3969, 'OMR': 0.3845, 'PAB': 1.0, 'PEN': 3.9577, 'PGK': 3.515, 'PHP': 50.8156, 'PKR': 173.679, 'PLN': 3.9566, 'PYG': 6898.6957, 'QAR': 3.64, 'RON': 4.2453, 'RSD': 101.2194, 'RUB': 70.607, 'RWF': 1018.4303, 'SAR': 3.75, 'SBD': 7.9579, 'SCR': 13.8586, 'SDG': 439.6156, 'SEK': 8.5775, 'SGD': 1.3458, 'SHP': 0.7254, 'SLL': 10635.8607, 'SOS': 580.3932, 'SRD': 21.5498, 'SSP': 175.9484, 'STN': 21.0317, 'SYP': 1682.0868, 'SZL': 14.7038, 'THB': 33.3844, 'TJS': 11.2988, 'TMT': 3.5046, 'TND': 2.8157, 'TOP': 2.2346, 'TRY': 9.582, 'TTD': 6.791, 'TVD': 1.3359, 'TWD': 27.8777, 'TZS': 2306.6866, 'UAH': 26.2902, 'UGX': 3601.549, 'UYU': 43.8488, 'UZS': 10676.323, 'VES': 4.2019, 'VND': 22785.5994, 'VUV': 110.1184, 'WST': 2.5389, 'XAF': 563.0987, 'XCD': 2.7, 'XDR': 0.7067, 'XOF': 563.0987, 'XPF': 102.4392, 'YER': 250.728, 'ZAR': 14.7045, 'ZMW': 17.0949}}
```

```
In [7]: type(data)
```

```
Out[7]: dict
```

```
In [8]: data.keys()
```

```
Out[8]: dict_keys(['result', 'documentation', 'terms_of_use', 'time_last_update_unix', 'time_last_update_utc', 'time_next_update_unix', 'time_next_update_utc', 'base_code', 'conversion_rates'])
```

In [9]: data['conversion_rates']

```
'INR': 0.7254,  
'FOK': 6.4043,  
'GBP': 0.7255,  
'GEL': 3.1379,  
'GGP': 0.7254,  
'GHS': 6.0777,  
'GIP': 0.7254,  
'GMD': 52.7539,  
'GNF': 9721.2289,  
'GTQ': 7.7428,  
'GYD': 210.0186,  
'HKD': 7.7716,  
'HNL': 24.1257,  
'HRK': 6.4679,  
'HTG': 99.767,  
'HUF': 313.5777,  
'IDR': 14118.8854,  
  
'ILS': 3.2216,  
'IMP': 0.7254,  
'INR': 74.8592,
```

In [11]: `def currency_convertor(Number, base_currency, conv_currency):`
 `print(round(Number*data['conversion_rates'][conv_currency],2))`

In [14]: `def currency_convertor_2(Number, base_currency, conv_currency):`
 `print(round(Number/data['conversion_rates'][conv_currency],2))`

In [12]: `##Test Usecase`
 `currency_convertor(34.67, 'USD', 'INR')`

2595.37

In [15]: `currency_convertor_2(2000, 'USD', 'INR')`

26.72

In []:

In []:

In []: