*I have used flask restful api to implement the given task.*

Username = dharmveer11

Password = Password@123

**pip install -r requirements.txt**

Requirments

Flask==2.0.2

Flask\_APScheduler==1.12.3

Flask\_Login==0.6.1

flask\_marshmallow==0.14.0

Flask\_SQLAlchemy==2.5.1

requests==2.27.1

SQLAlchemy==1.4.31

Werkzeug==2.0.2

**Login api:**

url : localhost:5000/login

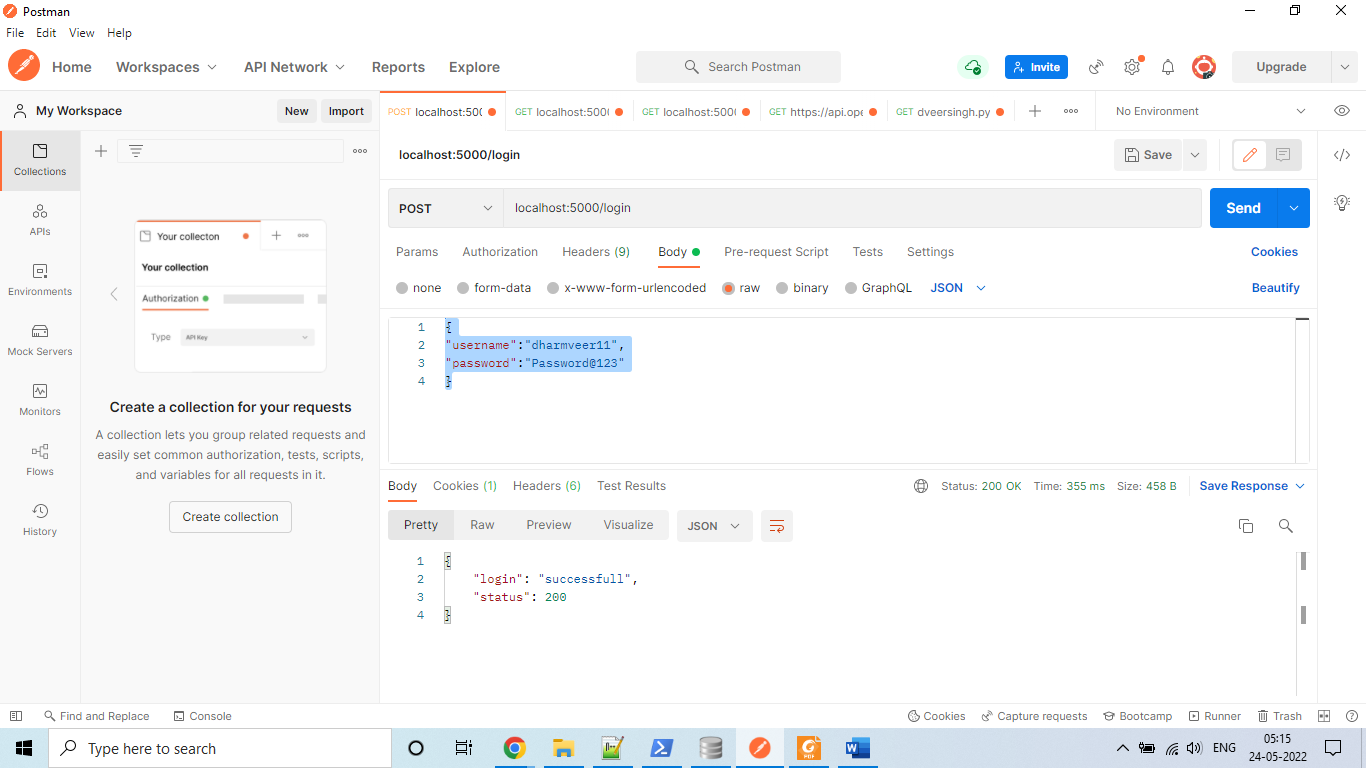
json data to send

{

"username":"dharmveer11",

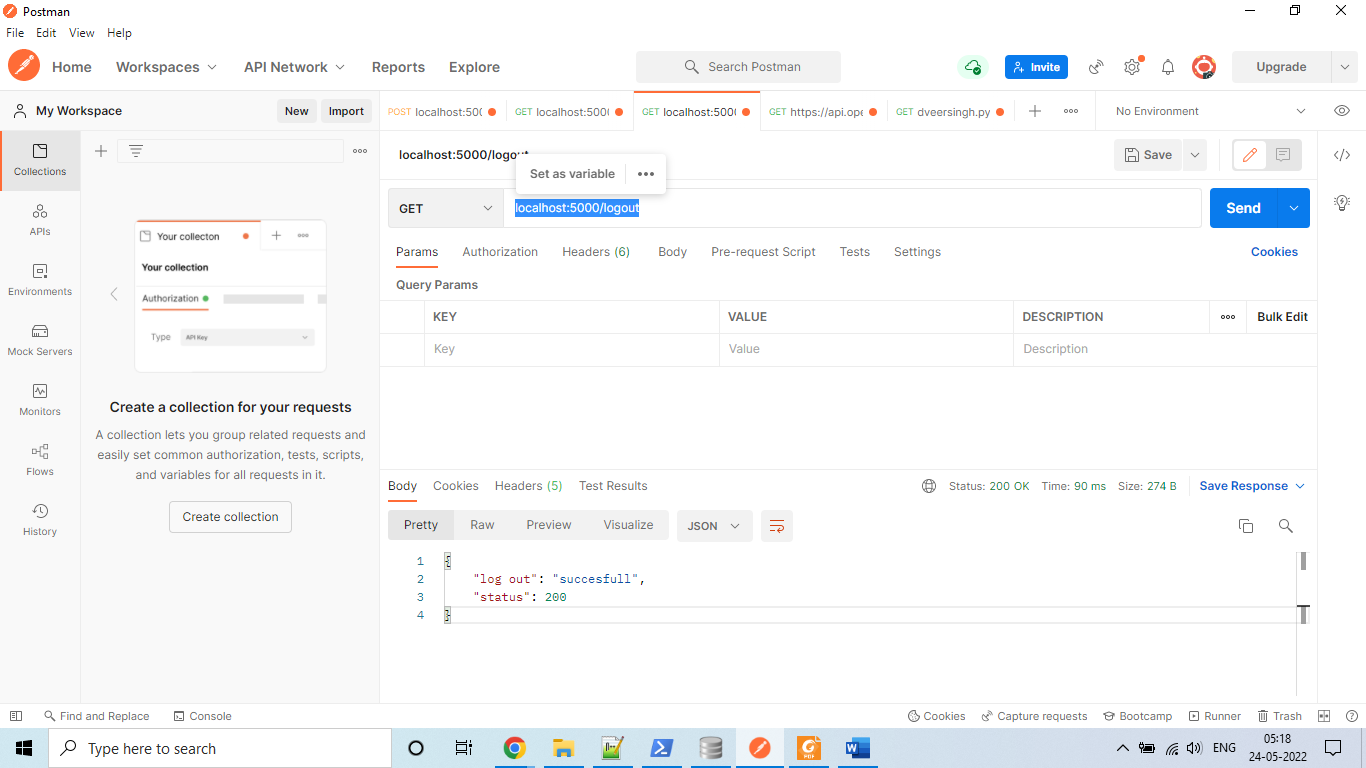
"password":"Password@123"

}



**LogOut Api :**

Url : **localhost:5000/logout**



Weather Data Api of 30 cities:

Total page: 6

Per page item = 5

Default page is 1.

URL : localhost:5000/weather\_data/{pageNumber}

**Response:**

 {

        "status": 200

    },

    [

        {

            "city": "Berlin",

            "country": "DE",

            "created\_date": "2022-05-23T23:56:27.543976",

            "description": "clear sky",

            "feels\_like": "290.69",

            "humidity": "51",

            "id": 21,

            "main": "Clear",

            "pressure": "995",

            "temp": "291.47",

            "temp\_max": "291.47",

            "temp\_min": "290.99",

            "visibility": "10000",

            "wind\_deg": "130",

            "wind\_speed": "6.17"

        },

        {

            "city": "Las Vegas",

            "country": "US",

            "created\_date": "2022-05-23T23:56:27.543976",

            "description": "clear sky",

            "feels\_like": "302.82",

            "humidity": "9",

            "id": 22,

            "main": "Clear",

            "pressure": "1008",

            "temp": "305.02",

            "temp\_max": "307.38",

            "temp\_min": "303.57",

            "visibility": "10000",

            "wind\_deg": "90",

            "wind\_speed": "5.14"

        },

        {

            "city": "Washington",

            "country": "US",

            "created\_date": "2022-05-23T23:56:27.543976",

            "description": "broken clouds",

            "feels\_like": "290.33",

            "humidity": "35",

            "id": 23,

            "main": "Clouds",

            "pressure": "1014",

            "temp": "291.52",

            "temp\_max": "293.37",

            "temp\_min": "287.92",

            "visibility": "10000",

            "wind\_deg": "320",

            "wind\_speed": "6.14"

        },

        {

            "city": "Istanbul",

            "country": "TR",

            "created\_date": "2022-05-23T23:56:27.544975",

            "description": "clear sky",

            "feels\_like": "289.18",

            "humidity": "72",

            "id": 24,

            "main": "Clear",

            "pressure": "1012",

            "temp": "289.6",

            "temp\_max": "289.83",

            "temp\_min": "288.19",

            "visibility": "10000",

            "wind\_deg": "60",

            "wind\_speed": "2.57"

        },

        {

            "city": "Vienna",

            "country": "AT",

            "created\_date": "2022-05-23T23:56:27.544975",

            "description": "few clouds",

            "feels\_like": "289.47",

            "humidity": "77",

            "id": 25,

            "main": "Clouds",

            "pressure": "1008",

            "temp": "289.74",

            "temp\_max": "290.86",

            "temp\_min": "288.67",

            "visibility": "10000",

            "wind\_deg": "250",

            "wind\_speed": "3.09"

        }

    ]

]