

## Login

### Description:

Write a Python program that performs the following operations:

1. Authenticate a user by sending a POST request to `https://dummyjson.com/auth/login` using the provided username and password.
  - If authentication is successful (HTTP status 200), extract and display the access token.
  - Note: The token you receive will be different each time.

2. Use the access token to:

Important: The access token must be included in the Authorization header using the format:

Authorization: Bearer <access\_token>

Perform the following:

- Send a GET request to `/auth/me` to retrieve and print user profile details.
  - Send a PUT request to `/todos/2` to update the completion status of a todo. Use a JSON body that includes the field "completed" set to False.
  - Send a DELETE request to `/todos/1` to simulate deletion of a todo.
3. If login fails (Example: status code 400), display an appropriate error message and stop further operations.

### Input:

username: A string (Example: "emilys").

password: A string (Example: "emilypass").

Output (without unit test Response ==200):

Enter your username: emilys

Enter your password: emilypass

Login :

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwidXNlcm5hbWUiOiJlbWlseXMiLCJlbWFPbCI6ImVtaWw5LmpvaG5zb25AeC5kdW1teWpzb24uY29tIiwiaWZmlyc3R0YW1lIjoiaWw1pbHkiLCJscXN0TmFtZSI6IkpvaG5zb24iLCJnZW5kZXI6ImZlZW1hbGUuLCJpbWFnZSI6Imh0dHBzOi8vZHVtbXlqc29uLmNvbS9pY29uL2VtaWw5cy8xMjgiLCJpYXQiOiJlE3NDYz0TE0MDQsImV4cCI6MTc0NjM5NTAwNH0. qoztsClgCRUSVN6ela0-nvbxv6B8hYXHRSwN0fBrGLo

```
User : {'id': 1, 'username': 'emilys', 'email': 'emily.johnson@x.dummyjson.com', 'firstName': 'Emily', 'lastName': 'Johnson', 'gender': 'female', 'image': 'https://dummyjson.com/icon/emilys/128'}
```

Auth : 200

Update : 200

```
Update Data : {'id': 2, 'todo': 'Memorize a poem',
'completed': False, 'userId': 13}
```

Delete : 200

```
Delete Data : {'id': 1, 'todo': 'Do something nice for someone
you care about', 'completed': False, 'userId': 152,
'isDeleted': True, 'deletedOn': '2025-05-04T20:43:26.334Z'}
```

Output (without unit test Response ==400):

Enter your username: a

Enter your password: a

Login failed: 400

Login failed, cannot proceed with authenticated requests.

Output (with unit test):

```
connection called with: call('dummyjson.com')
```

✓ GET /auth/me

```
test attribute passed: 1 is equal to 1
```

```
test attribute passed: Emily is equal to Emily
```

```
test attribute passed: Johnson is equal to Johnson
```

test attribute passed: emily.johnson@x.dummyjson.com is equal to emily.johnson@x.dummyjson.com

test attribute passed: female is equal to female

test attribute passed: https://dummyjson.com/icon/emilys/128 is equal to https://dummyjson.com/icon/emilys/128

✅ PUT /todos/2 passed

test attribute passed: 2 is equal to 2

test attribute passed: Memorize a poem is equal to Memorize a poem

test attribute passed: False is equal to False

✅ DELETE /todos/1 passed

test attribute passed: 1 is equal to 1

test attribute passed: Do something nice for someone you care about is equal to Do something nice for someone you care about

test attribute passed: False is equal to False

✅ test\_login\_failure\_400: handled 400 Bad Request correctly