Income Tax Calculator Console Application

Objective:

Create a console application in Java to calculate income tax based on the given tax slabs. The application should have two main roles: Admin and TaxPayer. The tax slabs should be stored in a file (text, XML, or JSON format) and not hardcoded in the program.

Tax Slabs:

Income Bracket	Tax Slabs
0 – 10,000	10%
10,001 – 50,000	20%
50,001 – 100,000	30%
100,001 – 500,000	40%
500,001 – and above	50%

Application:

Main Menu:

Tax Calculator

Choose User:

1. Admin

2. TaxPayer

        3. Exit

Admin Functionalities:

    1. Admin Login (Password: 12345)

    2. After successful login, display:

Admin:

    Admin Menu:

            1. Add Tax Slab

            2. Edit Tax Slab

            3. View Tax Slabs

            4. Remove Tax Slab

            5. Back to Main Menu

- Add Tax Slab: Allow the admin to add a new tax slab.

- Edit Tax Slab: Allow the admin to edit an existing tax slab.

- View Tax Slabs: Display all the current tax slabs.

- Remove Tax Slab: Allow the admin to remove an existing tax slab.

- Back to Main Menu: Return to the main menu.

TaxPayer Functionalities:

    1. User Login (No authentication required)

    2. Enter Income

3. Calculate and display the tax based on the slabs.

Example Calculation: For an income of 60,000:

- First 10,000 @ 10% = 1,000

- Next 40,000 @ 20% = 8,000

- Remaining 10,000 @ 30% = 3,000

- Total Tax: 12,000

Requirements:

1. File Handling: Store tax slabs in a text, XML, or JSON file. The application should read from and write to this file.

2. Modular Design: Use methods/functions for different functionalities to ensure code reusability and clarity.

Demo Images:

Main Menu:

```
Tax Calculator
Choose User:
1. Admin
2. TaxPayer
3.Exit
|
```

Admin:

```
Admin
Enter the Login
12345|
```

```
Admin Login

Tax Slabs

1.Add

2.Edit

3.view

4.Remove Slab

5.Back
```

Users:

```
User Login

Enter the Income

60000

Tax :12000
```