S.H.I.E.L.D

→ Install the XAMPP Application and complete the setup.

→ Create a folder ' Shield ' in ' .\xampp\htdocs\ '.

→ Download the files from the GitHub repository

   GitHub Link:- https://github.com/Nithin-2479/Kenex-Shield .

→ And save the downloaded files into '.\xampp\htdocs\Shield\'.

→ Now active the event scheduler function for the database

> → Steps :
>   1. Open control panel of XAMPP
>   2. Beside MYSQL click on config button and the my.ini file
>   3. Open the my.ini file ,in the [mysqld] section add the syntax 'event_scheduler=ON'
>   4. Save the file and restart the MySQL server from the XAMPP Control Panel.

→Create a Database in the phpMyAdmin and Privileges to access the database.

→ Now in the '.\xampp\htdocs\Shield\Database.php' folder change the ' $dbname, $username, $password' values to the newly created values.

→ Now start the Apache server and access the SHIELD application through the web browser by the URL ' localhost\Shield\'.

→ Now we will be able to access the S.H.I.E.L.D Application

→Create python virtual Environment in the ' .\xampp\htdocs\Shield ' Folder

> → Steps:
>   1. Open command prompt and navigate to the folder where the Virtual Environment need to created.
>   2. Then execute the syntax 'python -m venv myenv' replace myenv with any name you are convenience and click enter.
>   3. In few minutes the Virtual Environment is created.
>   4. To activate the Virtual Environment Execute this syntax in the command prompt where the Environment is created 'myenv\Scripts\activate'.
>   5. As a sign of activation if will show '(myenv) ' before the directiory in the command prompt.
>   6. To install the required libraries for python execute the following syntax "pip install -r requirements.txt"

Note:
1. Requirements.txt :- It is a text file which consists of the name of the libraries which are required to execute the python script .
2. The file must present in the directory where the Environment is created.

7. For Deactivation of the Virtual Environment execute "deactivate"command in the command prompt (It works when the cmd is in the (myenv) action)

Uses of Virtual Environment in Python :

1. Virtual Environment is essential for managing dependencies in Python projects.
2. Working with Different Python Versions
3. Better Testing and Development