

Steps to Run the Code:

Follow the below steps to run the code and access various functionalities of the web application:

1. Open Visual Studio:

- Launch Visual Studio on your computer.

2. Redirect to the Project File Directory:

- Navigate to the project file directory using the cd command.

```
# cd D:\umaas\git\Digital_Forensic
```

3. Start the Python Server:

Run the following command to start the Python server:

```
# python -m http.server
```

4. Python Libraries Installation(Optional)::

- Ensure you have the necessary Python libraries installed by running the following commands:

```
# pip install plotly
```

```
# pip install pymongo
```

```
# pip install dash
```

```
# pip install matplotlib
```

```
# python.exe -m pip install --upgrade pip
```

5. Run Python Code(Optional):

If we already have html files used in the web app then we don't need to run the below python files.

But if we don't have any html file available we can run Python code again and generate the html file.

Execute the following Python scripts to generate and analyze log data:

```
# python system.py
```

```
# python Application.py
```

```
# python Security.py
```

```
# python EventImpactAnalysis.py
```

```
# python pie_chart.py
```

```
# python eventpriority.py
```

```
# python Anomalous.py
```

Each Python script corresponds to a specific functionality or analysis module mentioned in the web application.

6. Access the Web Application:

- Once the server is running, open your web browser and navigate to the following link:

<http://localhost:8000/index.html>

7. You can interact with different functionalities of the web application using the following links:

- Security Logs: http://localhost:8000/Security_Logs.html
- Application Logs: http://localhost:8000/Application_Logs.html
- System Logs: http://localhost:8000/System_logs.html
- Low Priority Windows Logs: http://localhost:8000/Low_Priority_Windows_Logs.html
- Anomalous Activity: http://localhost:8000/Anomalous_logs.html
- Pie Chart Data Visualization: http://localhost:8000/Aggregated_Counts_Pie_chart.html