**Log file data extraction**

**PROBLEM STAEMENT**

In this project our goal is to extract the data from log file a system.

**DESCRIPTION OVERVIEW**

It is quite difficult to read a log file generated by a system or server, using this project user will able to perform the exploratory analysis on log file generated by a system/server.

**TECHNOLOGY USE**

python

**INSTALLATION**

Installation of this project is pretty easy. Please do follow the following steps to create a virtual environment and then install the necessary packages in the following environment.

**In Pycharm it’s easy**

1. Create a new project.

2. Navigate to the directory of the project

3. Select the option to create a new new virtual environment using conda with python3.7

4. Finally create the project using used resources.

5. After the project has been created, install the necessary packages from requirements.txt file using the command pip install -r requirements.txt

**In Conda also it’s easy**

1. Create a new virtual environment using the command

conda create -n your\_env\_name python=3.7

2. Navigate to the project directory.

3. Install the necessary packages from requirements.txt file using the command

pip install -r requirements.txt

**TESTING IN LOCAL**

in this project user needs to provide a log file of a system/server on which he/she wants exploratory analysis.

As an output you will get a database file that holds the email-Id used to access the system along with the total number of visits, we can also extract other details via passing as a parameter like date and time at which used pinned the system/server .

**CONCLUSION**

Hence we have successfully perform the exploratory data analysis on log file generated by a system/server.