

Problem:

Create a web application with an option to upload a CSV file of 1 lakh or more records, where the application should read the records, process it, and push to the database table.

Solution:

Using PrettyTable:

PrettyTable is a Python library for generation simple ASCII tables. It was inspired by the ASCII tables used in the PostgreSQL shell psql. PrettyTable can read data from CSV, HTML, or database cursor and output data in ASCII or HTML.

CSV File:

```
Name, Username, Password
Abinaya, abinaya123, afede
Akshaya, Akshu_789, aldjf
Arthi, Arthi_345, dslkfd
Ashwitha, ashwi890, dklhah
|
```

Password Encryption:

Passwords are encrypted by the ASE192 algorithm before they are stored in the directory and are retrieved as part of an entry in the original clear format.

Program:

```
from prettytable import PrettyTable

csv_file=open('/Users/pavithra/Desktop/document/sample.csv','r'); //The location of the csv file is mentioned
csv_file=csv_file.readlines();
line1=csv_file[0];
line1=line1.split(',');
line2=csv_file[1];
line2=line2.split(',');
line3=csv_file[2];
a=PrettyTable(line1[0],line2[0]);
for i in range(1,len(line1)):
    a.add_row(line1[i],line2[i]);
html_data=a.get_html_string();
html_file=open('/Users/pavithra/Desktop/document/data.html','w');
html_file=html_file.write(html_data);
```

Output:

Name	Username	Password
Abinaya	abinaya_123	edefa
Akshaya	Akshu_789	fjdla
Arthi	Arthi_345	dfklsd
Ashwitha	ashwi890	hahlkd