README

Command To Run the Script:

$ python ReplyTest.py

Inside the ReplyTest.py Script, under the main () function test instances can be given.

Example:

Test1 = EncryptCSV('customers.csv','masked_clients.csv').replace_data()

Test1 is instance of EncryptCSV class takes “customers.csv” as input and applying ".replace_data()" method to write encrypted data to output file(masked_clients.csv).

As per the requirements, did not use any other libraries (wanted to use pandas) except “csv” and “re” (for masking).

Implemented Extras:

Print a report (to standard output) containing:

* Maximum, minimum and average length of the "Name" field value

* Maximum, minimum and average of the "Billing" field value

Screenshot from Jupyter Notebook:

```
test1 = EncryptCSV('customers.csv','masked_clients.csv').replace_data()
```

```
Billing: Max. 53000, Min.  ,Avg. 29333.333333333332
Name: Max. 20, Min. 10,Avg. 13.6
```

Used python3, context manager and try and except blocks where required.

Attaching python script “ReplyTest.py” and the output file “masked_clients.csv”.