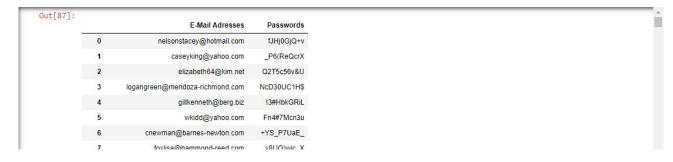
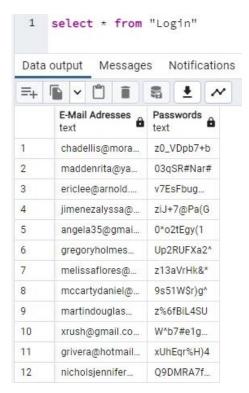
Run the code in the "TASK-5A-1.py" file to generate the email and password requested in part 1.



The desired data was kept in a dataframe.

After this Run the code in the "Login.py" file to generate the tables on pgAdmin4.

After this Run the code in the "TASK-5A.py" file to insert the values to the tables on pgAdmin4.



Part 2 is over.

After this, we choose a 1000 e-mails and password from the dataframe

```
B=(A.sample(n = 1000))
print(B)
                           E-Mail Adresses
                                             Passwords
7099
                        qleonard@gmail.com 0$@F@!n#$F
5588
                      justin72@hotmail.com
                                           )#t0_2Say4
4996
             johnhutchinson@smith-gill.com ^8$AlKTq u
              johnsonjesse@lutz-waters.com UbK)8E8st$
2937
                    heatherscott@yahoo.com ^gZ8Hca+0F
3407
                   samuelramirez@yahoo.com 5Pz*V4TmHl
6866
                                            _91TklIpns
945
             patricianguyen@hart-rice.info
4692
                       bwright@hotmail.com @qSnRZxT00
1216
                 castanedalynn@hotmail.com AvNLlMjn*6
9452
                      burnsdiane@gmail.com &eXiT@CD9J
3428
                        samuel80@yahoo.com +I2GH$8ma
                        john97@hotmail.com d@7Ns Fsw(
8034
2259
                   samanthawhite@james.com w$H6Yt_1C*
8540
                  robertmoyer@williams.org
                                            7&z@^wBi%I
5891
                      tinaguzman@yahoo.com SpG4A7Yr*4
1466
                   jacobsjeffrey@yahoo.com e*5LN(plfV
5908
             william90@davila-thompson.com
                                           Enh@9$Dyp&
3462
                       anthony17@weiss.biz
                                            5P^)mYHn*K
```

After this, we generate 10000 new data from e-mails and passwords and we check the same results in "checking.ipynb" file

```
if e_mail_auresses[i]==e_mail_auresses2[k];
            print(e_mail_adresses[i])
end time=time.time()
print(end_time-start_time)
nsmith@gmail.com
nsmith@gmail.com
andreasmith@hotmail.com
ejohnson@yahoo.com
ijohnson@gmail.com
gpeters@gmail.com
pgreen@hotmail.com
stephaniejohnson@yahoo.com
smithmatthew@hotmail.com
ysmith@yahoo.com
ysmith@yahoo.com
david76@yahoo.com
lpatel@gmail.com
ucarter@hotmail.com
qjones@hotmail.com
jamesfields@yahoo.com
vasquezmatthew@yahoo.com
mark25@yahoo.com
15.494842767715454
```

And we calculate time = 15,494842 sn

After this we insert the values to the SQL

	E_Maills [PK] character (100)	1
19	nroberts@yahoo.com	
20	david60@hotmail.com	
21	grivera@hotmail.com	
22	jlewis@yahoo.com	
23	xlee@gmail.com	
24	bpatel@yahoo.com	
25	ismith@yahoo.com	
26	Idavis@hotmail.com	
27	eanderson@gmail.com	
28	qparker@gmail.com	
29	hilljennifer@hotmail.com	
20	baselik available and	