

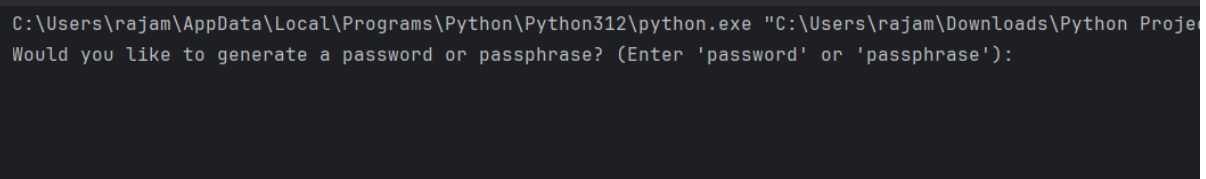
User Documentation for the Software Project

Platform: The Python coded program need to be run in PyCharm or Visual Studio Code

Description: This documentation informs the users how to use this program. This program aimed at creating a secured password generator. Screenshots of the User Testing is enclosed in the documentation for easy reference for the USERS.

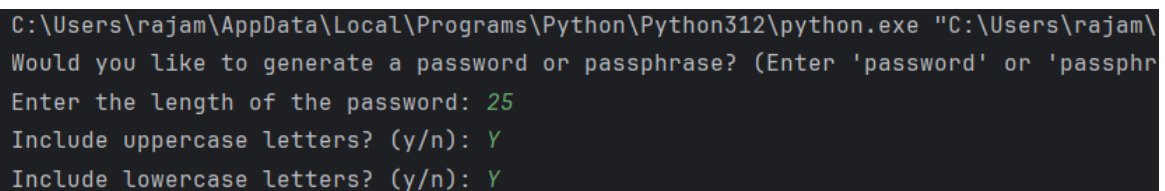
Upon running the program, the user will be asked to choose the following,

1. The user to choose whether they would like to generate a password or passphrase.



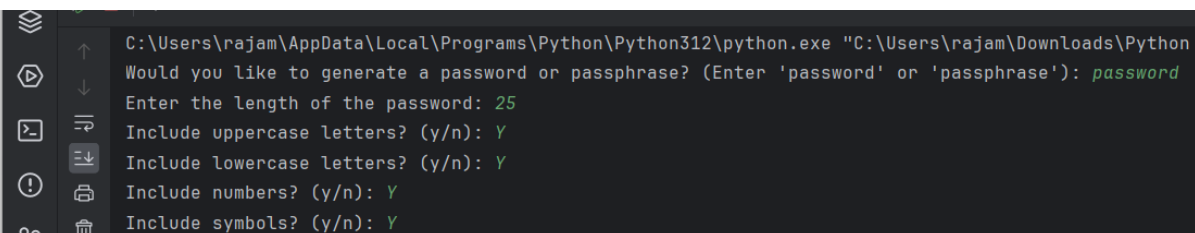
```
C:\Users\rajam\AppData\Local\Programs\Python\Python312\python.exe "C:\Users\rajam\Downloads\Python Project\password_generator.py"
Would you like to generate a password or passphrase? (Enter 'password' or 'passphrase'):
```

2. The user to choose the length of the password/passphrase. (This is the number of characters for a password, and the number of words for a passphrase)



```
C:\Users\rajam\AppData\Local\Programs\Python\Python312\python.exe "C:\Users\rajam\Downloads\Python Project\password_generator.py"
Would you like to generate a password or passphrase? (Enter 'password' or 'passphrase'): password
Enter the length of the password: 25
Include uppercase letters? (y/n): Y
Include lowercase letters? (y/n): Y
```

3. The user to choose the character sets they wish to use, e.g. uppercase, lowercase, numbers, symbols.



```
C:\Users\rajam\AppData\Local\Programs\Python\Python312\python.exe "C:\Users\rajam\Downloads\Python Project\password_generator.py"
Would you like to generate a password or passphrase? (Enter 'password' or 'passphrase'): password
Enter the length of the password: 25
Include uppercase letters? (y/n): Y
Include lowercase letters? (y/n): Y
Include numbers? (y/n): Y
Include symbols? (y/n): Y
```

4. The user to choose the number of passwords/phrases they would like to generate.

```
Enter the number of passwords/phrases to generate: 7
8p|C,.hP*LAS<B^Vqn~nEmzP6
~V?ZuhKiQhX]Qs[D`i:MY^nT
<{P0/1j@E`K'\@K27_#l|Z_jw
mZ0e9{hsG=4yIl\?Q",MJa}&G
kVR*gu$g1}Ve`7Eh*'gV0hr^~
hF]GmJ(/*%a~;E:kE>n:W%yzq
DQ2!yIkA2T!38?ESTk{qy)dz`
```

5. The user to choose an output file to place the generated password(s). This should be enabled with a command-line option, such as -o.
6. The user to choose whether the results should always be printed to the screen, and optionally an output file.

```
7. '''
Run the script without specifying an output file
pass

Run the script with an output file
python generate_passwords.py -o output.txt
```

Complete testing of the program.

```
Run Python Project Assessment 3 from Raja x
Enter the length of the password: 40
Include uppercase letters? (y/n): Y
Include lowercase letters? (y/n): Y
Include numbers? (y/n): Y
Include symbols? (y/n): Y
Enter the number of passwords/phrases to generate: 2
{DIEJ4l0D=$60o7#9;]${!~y*ba0H}TVHZ?#?Aj#-
eW^k-k#&LP}T9d,R;[4~qX9bK:4K?v5sw,Tm\..N
```