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** Global Academy of Technology**

**Department of Computer Science and Engineering**

**Report**

**On**

**PYTHON PROJECT**

**VI Semester**

**Academic Year: 2018-2019**

**Group No.: 03**

**Title: PASSWORD GENERATOR**

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| **USN** | **Name** | **Signature** |
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Guide:

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Professor

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**Objective of the Project**

The Password Generator generates a random password of any desired length and also stores it in a separate file. In this project the random passwords that are generated has been developed and implemented using the Python language. Python offers multiple options and modules for developing various projects.

The main objective of this project is to make best use of various methods provided by the Python language and to execute the code successfully.

**System Requirement Specification**

**Software Requirements Specification**

* Language used: Python
* IDE/Compiler used: PyCharm
* OS used: Windows10

**Hardware Requirements Specification**

* Processor : 2.5 GHz
* System : Intel i5
* Hard Disk : 1024 GB
* Monitor : 15 VGA color
* Mouse : Logitech
* Keyboard : 102 keys enhanced

**Source Code**

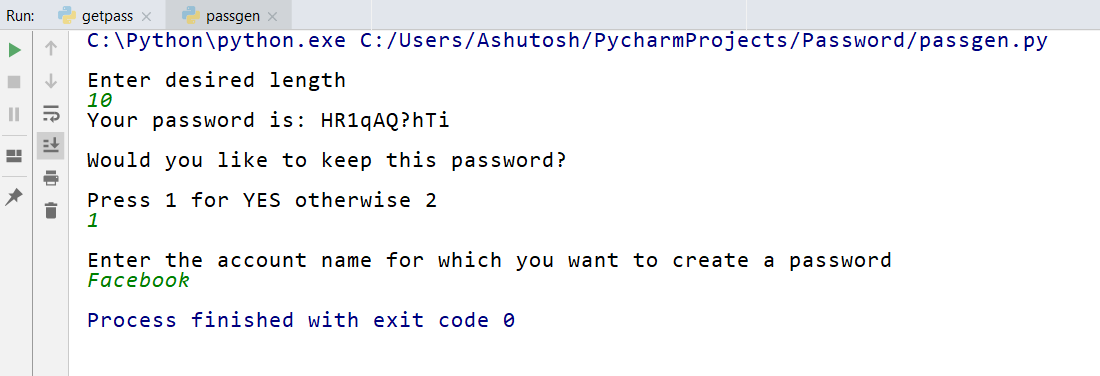
**Code for Generating Random Passwords**

import random  
import pickle  
  
  
dicti={}  
  
with open("pass.me", "rb") as readme:  
 dicti=pickle.load(readme)  
*#print(dicti)*x= "abcdefghijklmnopqrstuvwxyz1234567890ABCDEFGHIJKLMNOPQRSTUVWXYZ!@#$%&?"  
  
lenpass=int(input("Enter desired length\n"))  
password= "".join(random.sample(x,lenpass))  
  
print("Your password is: "+password)  
  
prompt=input("\nWould you like to keep this password?\n\nPress 1 for YES otherwise 2\n")  
  
if("1" in prompt):  
 accountinfo=input("\nEnter the account name for which you want to create a password\n")  
  
 dicti[accountinfo]=password  
  
 with open("pass.me","wb") as myfile:  
 pickle.dump(dicti,myfile,protocol=3)  
  
else:  
 print("Run Again")

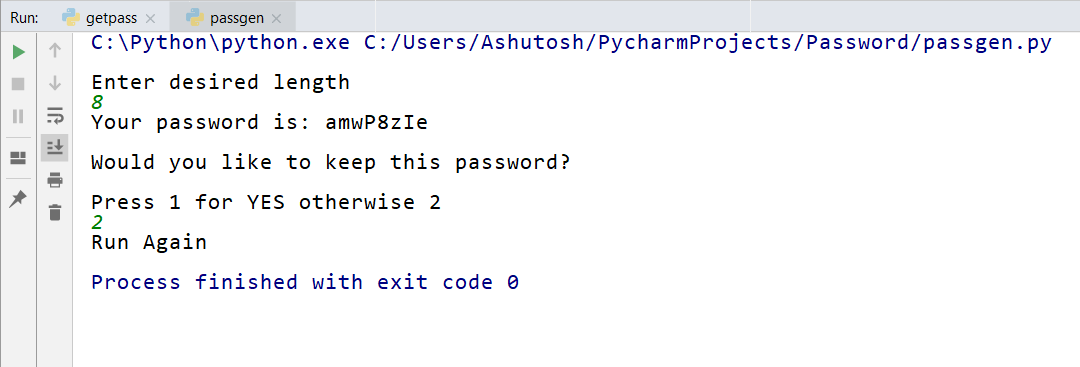
**Code for Fetching Password**

import getpass  
import picklemasterpass= input("Enter Your Master Password\n")  
  
if masterpass=="12345":  
 acc\_name=input("Enter Your Account Name\n")  
  
 with open("pass.me", "rb") as readme:  
 dicti=pickle.load(readme)  
  
 if acc\_name in dicti:  
 password=getpass.dicti[acc\_name]  
 print("\nPassword= ",password)  
 exit(0)  
 else:  
 print("\nInformation is incorrect\n")  
 exit(0)

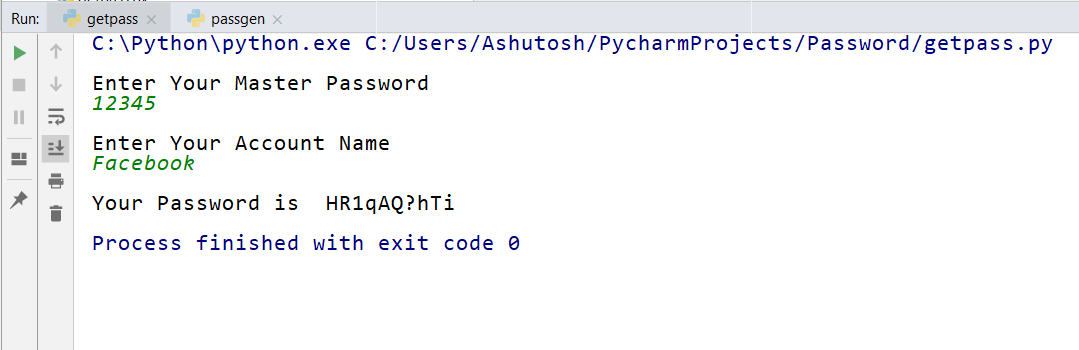
**Snapshots**

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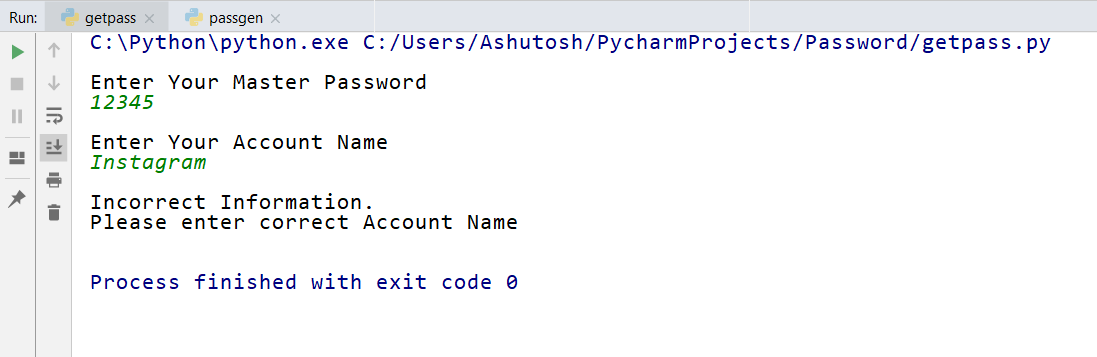
**Fig 1: Random password generated**

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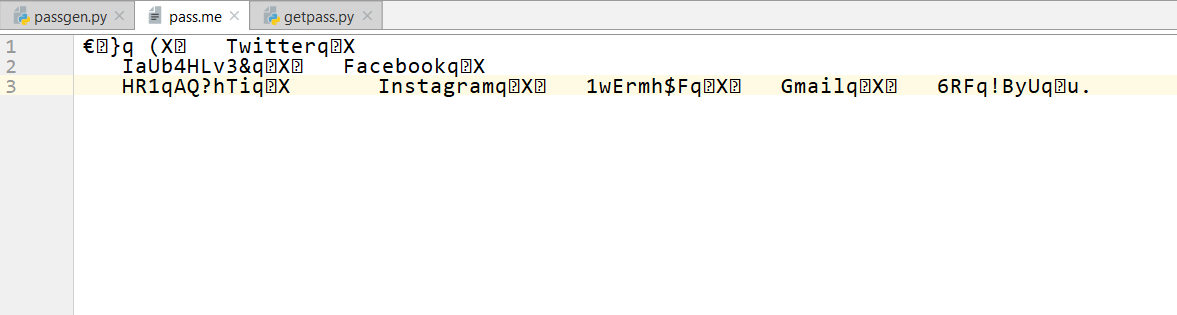
**Fig 2: User demanding another password**



**Fig 3: Getting passwords of different accounts using master account**



**Fig 4: Master user providing wrong account information**



**Fig 5: File where the accounts and their respective passwords are stored**