

DAILY ONLINE ACTIVITIES SUMMARY

Date:	18-07-2020	Name:	Manikya K
Sem & Sec	8 th ,A	USN:	4AL16CS050
Online Test Summary			
Subject	Not Conducted		
Max. Marks		Score	
Certification Course Summary			
Course	1) Robotic Process Automation (RPA) 2) Introduction to ethical hacking 3) Introduction to cyber security 4) Introduction to Hadoop		
Certificate Provider	1) GUVI 2) Great learner academy	Duration	RPA – 4 Hrs Ethical hacking - 6 Hrs Cyber Security - 7 Hrs Hadoop – 4 Hrs
Coding Challenges			
Problem Statement: Python program to generate and match the string from all random strings of same length			
Status: Solved			
Uploaded the report in Github		Yes	
If yes Repository name		manikya-20	
Uploaded the report in slack		Yes	

Online Test Details: (Attach the snapshot and briefly write the report for the same)

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

1) Certification Course Details:

A) Robotic process Automation:



B) Introduction to ethical hacking:



C) Introduction to Cyber Security:



D) Introduction to Hadoop:



2) Coding Challenges:

```
import string
import random
import time

# all possible characters including
# lowercase, uppercase and special symbols
possibleCharacters = string.ascii_lowercase + string.digits +
                    string.ascii_uppercase + ' ., !?;:'

# string to be generated
t = "geek"

# To take input from user
# t = input(str("Enter your target text: "))

attemptThis = ".join(random.choice(possibleCharacters)
                    for i in range(len(t)))
attemptNext = "

completed = False
iteration = 0

# Iterate while completed is false
while completed == False:
    print(attemptThis)

    attemptNext = "
    completed = True

# Fix the index if matches with
# the strings to be generated
for i in range(len(t)):
    if attemptThis[i] != t[i]:
        completed = False
        attemptNext += random.choice(possibleCharacters)
    else:
        attemptNext += t[i]

# increment the iteration
```

```
iteration += 1
attemptThis = attemptNext
time.sleep(0.1)
```

```
# Driver Code
```

```
print("Target matched after " +  
      str(iteration) + " iterations")
```