DAILY ONLINE ACTIVITIES SUMMARY

Date:	**20-05-2020**	**Name:**	**D Jasmine Joyline**
Sem & Sec	**VI sem A sect**	**USN:**	**4AL17CS024**

Online Test Summary

Subject	**SSCD**		
Max. Marks	**30**	**Score**	**23**

Certification Course Summary

Course	**Python Bootcamp 2020: Build 15 working applications and games**		
Certificate Provider	**Udemy**	**Duration**	**32hr**

Coding Challenges

Problem Statement:

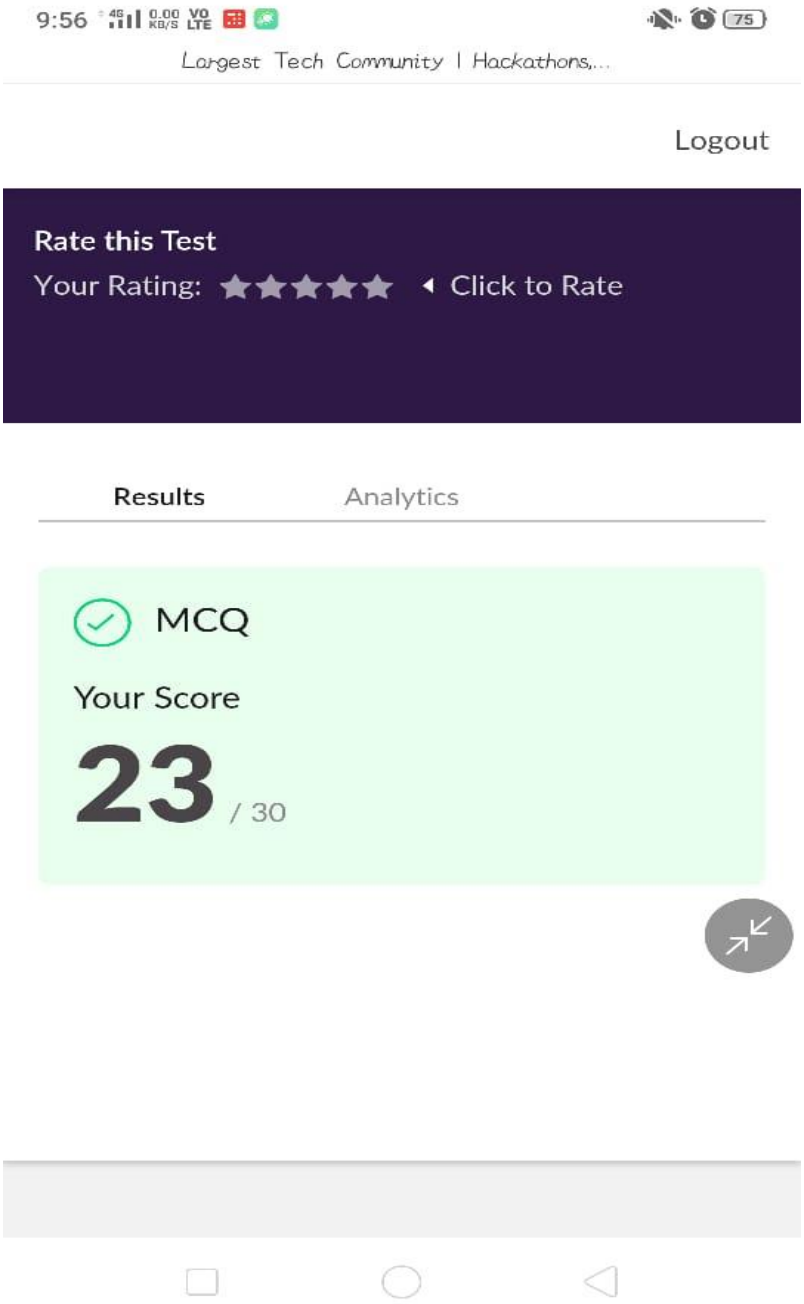
1. Write a simple Python program to implement Diffie–Hellman Key Exchange Example
2. Write a simple Python program to reverse a number

Status: Completed

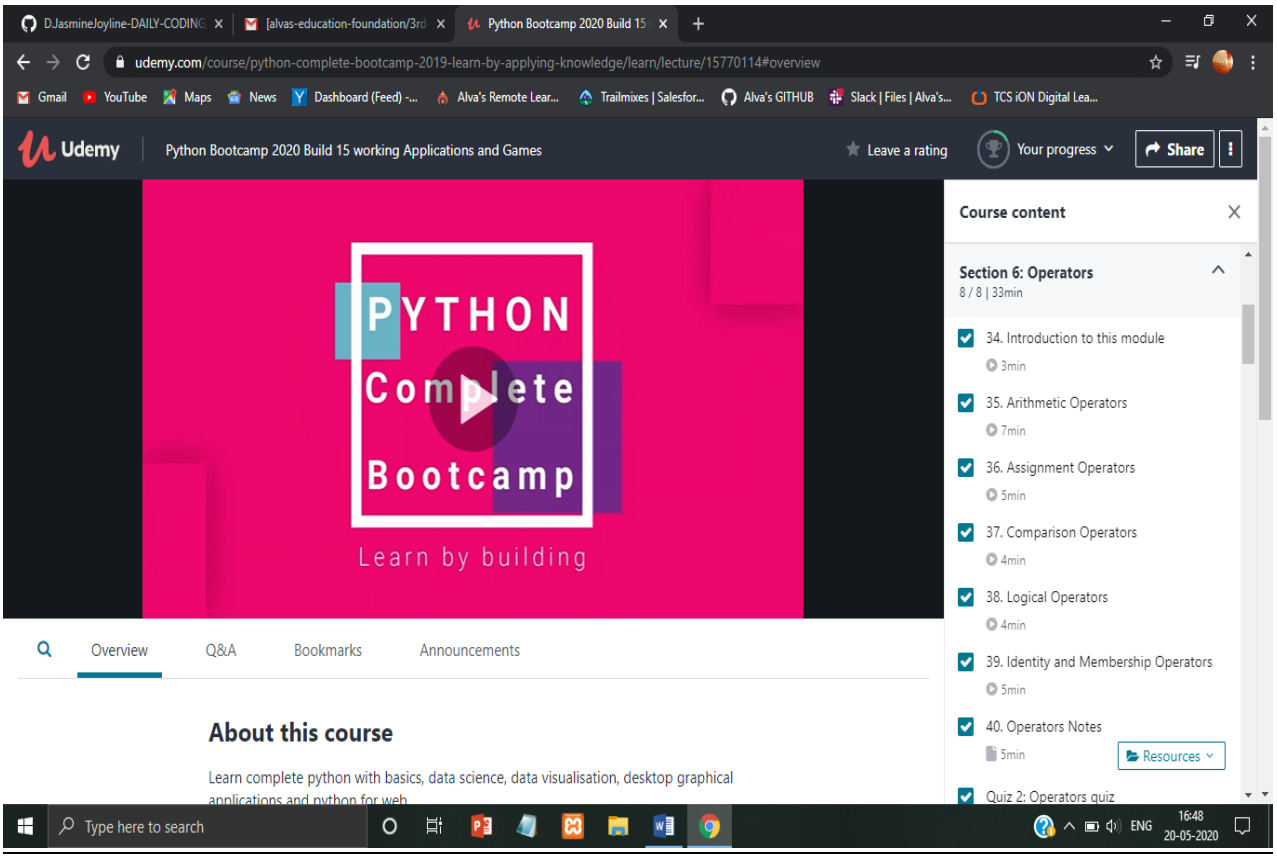
Uploaded the report in Github	**Yes**
If yes Repository name	**D.JasmineJoyline-Daily-Report**
Uploaded the report in slack	**Yes**

Online Test Details:

SSCD IA test



Certification Course Details:

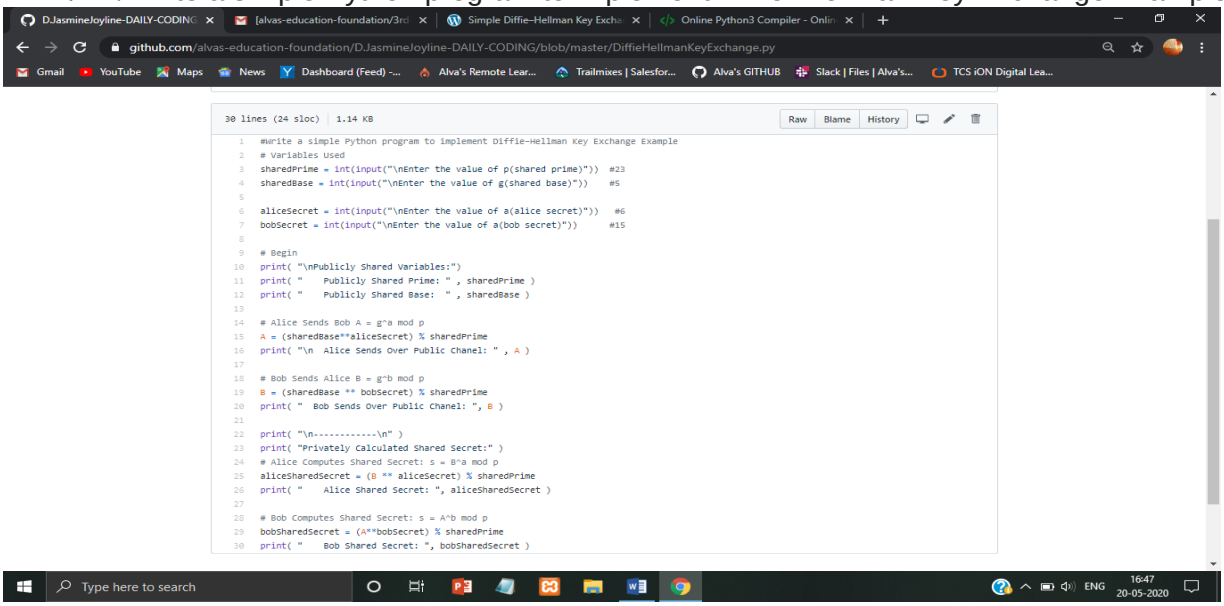


Modules which I have covered today,

- Operators
- Methods and Functions
- Errors in python

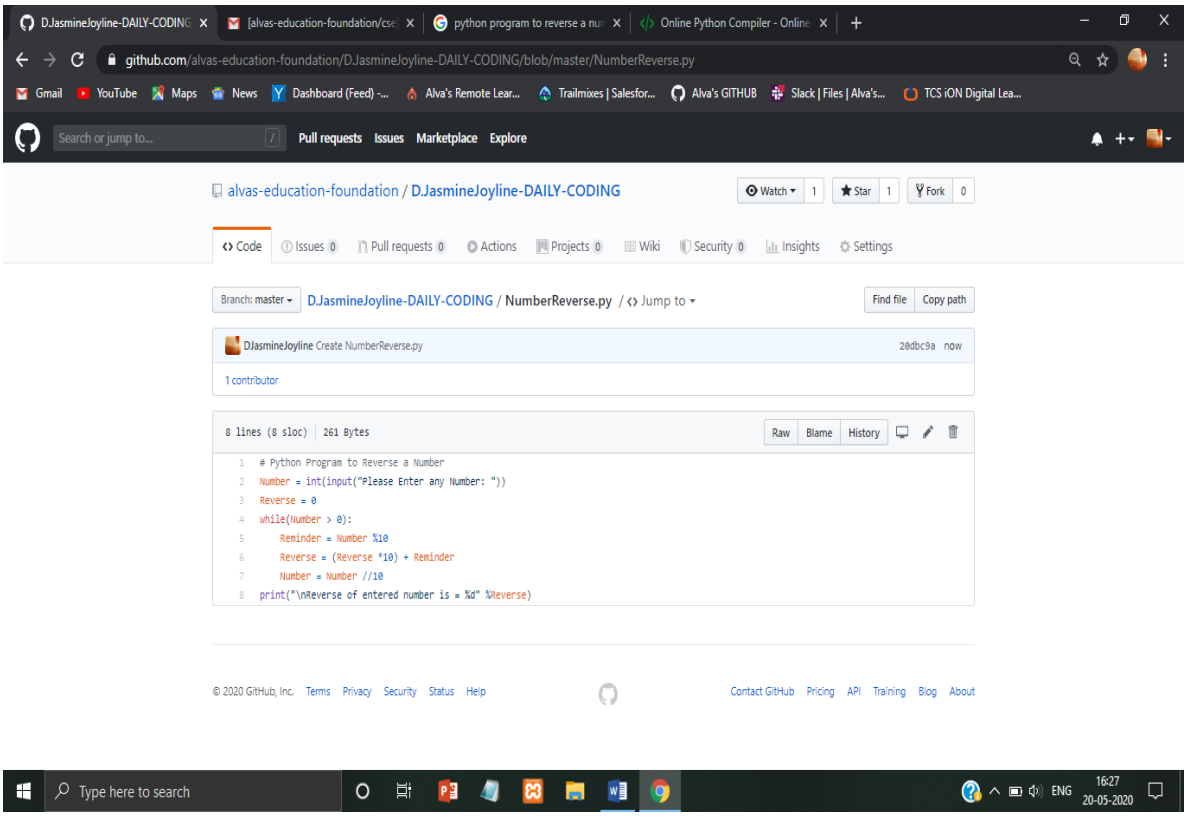
Coding Challenges Details:

1. 1. Write a simple Python program to implement Diffie–Hellman Key Exchange Example



```
#Write a simple Python program to implement Diffie-Hellman Key Exchange Example
# Variables Used
sharedPrime = int(input("\nEnter the value of p(shared prime)"))  #23
sharedBase = int(input("\nEnter the value of g(shared base)"))    #5

aliceSecret = int(input("\nEnter the value of a(alice secret)"))   #6
bobSecret = int(input("\nEnter the value of a(bob secret)"))      #15

# Begin
print( "\nPublicly Shared Variables:")
print( "    Publicly Shared Prime: " , sharedPrime )
print( "    Publicly Shared Base:  " , sharedBase )

# Alice Sends Bob A = g^a mod p
A = (sharedBase**aliceSecret) % sharedPrime
print( "\n  Alice Sends Over Public Chanel: " , A )

# Bob Sends Alice B = g^b mod p
B = (sharedBase ** bobSecret) % sharedPrime
print( "  Bob Sends Over Public Chanel: ", B )

print( "\n-----------\n" )
print( "Privately Calculated Shared Secret:" )
# Alice Computes Shared Secret: s = B^a mod p
aliceSharedSecret = (B ** aliceSecret) % sharedPrime
print( "    Alice Shared Secret: ", aliceSharedSecret )

# Bob Computes Shared Secret: s = A^b mod p
bobSharedSecret = (A**bobSecret) % sharedPrime
print( "    Bob Shared Secret: ", bobSharedSecret )
```

2. Write a simple Python program to reverse a number



```
# Python Program to Reverse a Number
Number = int(input("Please Enter any Number: "))
Reverse = 0
while(Number > 0):
    Reminder = Number %10
    Reverse = (Reverse *10) + Reminder
    Number = Number //10
print("\nReverse of entered number is = %d" %Reverse)
```