

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

9:56 4G 0.00 KB/S LTE VO



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Results

Analytics

✓ MCQ

Your Score

23 / 30



Certification Course Details:

The screenshot shows the Udemy website interface for the course 'Python Complete Bootcamp'. The browser's address bar displays the URL: `udemy.com/course/python-complete-bootcamp-2019-learn-by-applying-knowledge/learn/lecture/15770114#overview`. The course title is 'Python Bootcamp 2020 Build 15 working Applications and Games'. The main banner features the text 'PYTHON Complete Bootcamp' and 'Learn by building'. The 'Course content' sidebar on the right lists the following items:

- Section 6: Operators (8 / 8 | 33min)
 - 34. Introduction to this module (3min)
 - 35. Arithmetic Operators (7min)
 - 36. Assignment Operators (5min)
 - 37. Comparison Operators (4min)
 - 38. Logical Operators (4min)
 - 39. Identity and Membership Operators (5min)
 - 40. Operators Notes (5min)
 - Quiz 2: Operators quiz

The 'About this course' section states: 'Learn complete python with basics, data science, data visualisation, desktop graphical applications and python for web'.

Modules which I have covered today,

- Operators
- Methods and Functions
- Errors in python

Coding Challenges Details:

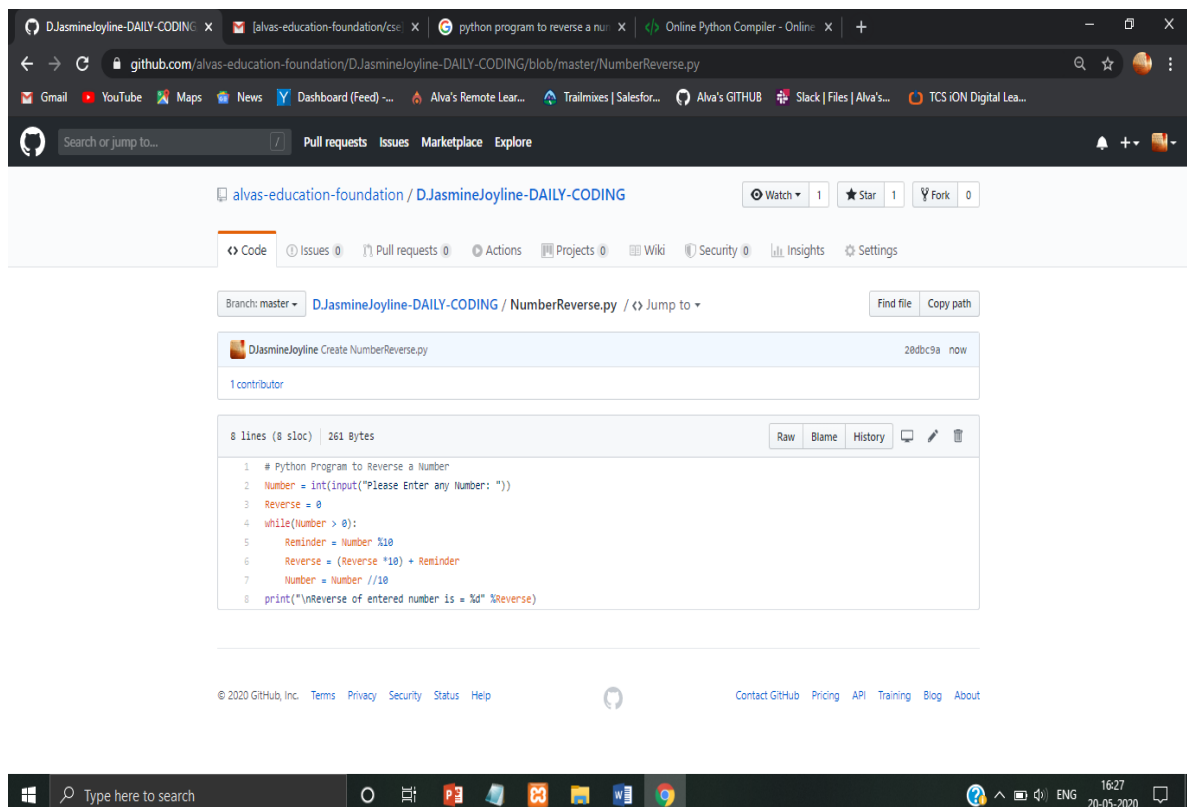
1. 1. Write a simple Python program to implement Diffie–Hellman Key Exchange Example



The screenshot shows a web browser window with the URL `github.com/alvas-education-foundation/DJasmineJoyline-DAILY-CODING/blob/master/DiffieHellmanKeyExchange.py`. The browser tabs include "D.JasmineJoyline-DAILY-CODING", "alvas-education-foundation/3rd", "Simple Diffie-Hellman Key Exchange", and "Online Python3 Compiler - Online". The page displays a Python script for implementing the Diffie-Hellman Key Exchange. The script is 30 lines long (24 sloc) and 1.14 KB in size. It includes comments and code for generating shared prime and base, calculating public keys for Alice and Bob, and finally calculating the shared secret for both parties.

```
1 #write a simple Python program to implement Diffie-Hellman Key Exchange Example
2 # Variables Used
3 sharedPrime = int(input("\nEnter the value of p(shared prime)")) #23
4 sharedBase = int(input("\nEnter the value of g(shared base)")) #5
5
6 aliceSecret = int(input("\nEnter the value of a(alice secret)")) #6
7 bobSecret = int(input("\nEnter the value of a(bob secret)")) #15
8
9 # Begin
10 print( "\nPublicly Shared Variables:")
11 print( "   Publicly Shared Prime: ", sharedPrime )
12 print( "   Publicly Shared Base: ", sharedBase )
13
14 # Alice Sends Bob A = g^a mod p
15 A = (sharedBase**aliceSecret) % sharedPrime
16 print( "\n Alice Sends Over Public Chanel: ", A )
17
18 # Bob Sends Alice B = g^b mod p
19 B = (sharedBase ** bobSecret) % sharedPrime
20 print( "   Bob Sends Over Public Chanel: ", B )
21
22 print( "\n-----\n" )
23 print( "Privately Calculated Shared Secret:" )
24 # Alice Computes Shared Secret: s = B^a mod p
25 aliceSharedSecret = (B ** aliceSecret) % sharedPrime
26 print( "   Alice Shared Secret: ", aliceSharedSecret )
27
28 # Bob Computes Shared Secret: s = A^b mod p
29 bobSharedSecret = (A ** bobSecret) % sharedPrime
30 print( "   Bob Shared Secret: ", bobSharedSecret )
```

2. Write a simple Python program to reverse a number



The screenshot shows a GitHub repository page for "alvas-education-foundation / DJasmineJoyline-DAILY-CODING". The repository has 1 watch, 1 star, and 0 forks. The file "NumberReverse.py" is selected, showing its commit history and code. The code is 8 lines long (8 sloc) and 261 Bytes in size. It is a Python program that takes a number as input and prints its reverse.

```
1 # Python Program to Reverse a Number
2 Number = int(input("Please Enter any Number: "))
3 Reverse = 0
4 while(Number > 0):
5     Remainder = Number %10
6     Reverse = (Reverse *10) + Remainder
7     Number = Number //10
8 print("\nReverse of entered number is = %d" %Reverse)
```

