

DAILY ONLINE ACTIVITIES SUMMARY

Date:	20-05-2020	Name:	ROUSHA
Sem & Sec	6 B	USN:	4AL17CS079
Online Test Summary			
Subject	SYSTEM SOFTWARE AND COMPILER DESIGN		
Max. Marks	30	Score	22
Certification Course Summary			
Course	Career Edge-Knockdown the Lockdown		
Certificate Provider	TCS	Duration	15 Days
Coding Challenges			
Problem Statement: 2 Python Programs			
Status: Executed			
Uploaded the report in Github		Yes	
If yes Repository name		https://github.com/rousharousha/DailyReport.git	
Uploaded the report in slack		Yes	

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

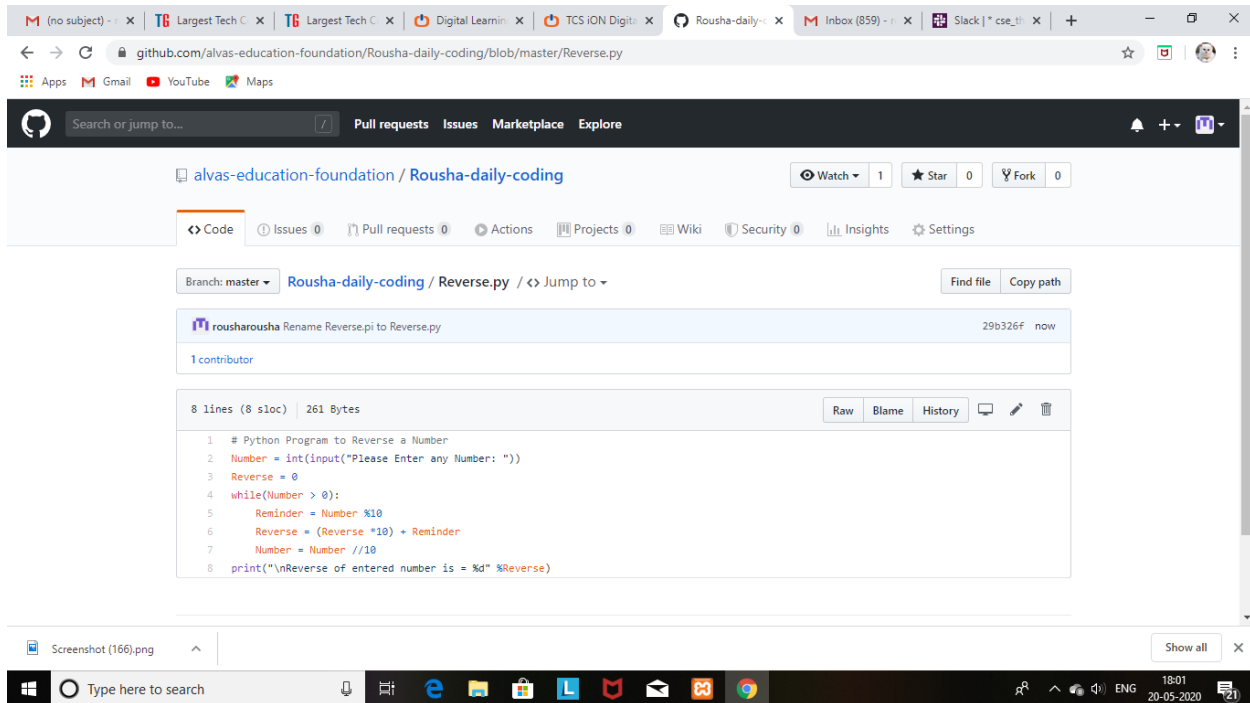
The screenshot shows a web browser window with multiple tabs open. The active tab is a TechGig challenge page. The page header includes a 'Logout' link. The main content area features a 'Challenge Over' banner with a 'by TechGig' logo and the title 'SYSTEM SOFTWARE AND COMPILER DESIGN - IA TEST 1'. Below the banner, there are two summary boxes: 'MCQ' showing 'Your Highest Score 22' and 'Max Score 30' with a 'Start Test' button, and a 'Summary' box listing 'Skills: SS, Problem Solving Skills' and 'Ends On: 20 May'. A 'Details' tab is selected, showing 'Rules' which state: '1. Any participant can attempt the assessment only 1 times, Only your best score counts!!'. The Windows taskbar at the bottom shows the date as 20-05-2020 and time as 17:44.

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

The screenshot shows a TCS iON Digital Learning course page. The header includes the TCS iON logo and the tagline 'Empowering Learning Outcomes'. The course title is 'Career Edge - Knockdown the Lockdown : Batch 01'. The left sidebar shows a 'TABLE OF CONTENTS' with items like 'DAY 3: Develop Soft Skills for the Workplace', 'Introduction - Develop Soft Skills for the Workplace', 'Lesson - Develop Soft Skills for the Workplace', 'Conclusion - Develop Soft Skills for the Workplace', 'Develop Soft Skills that Industry Demands', 'DAY 4: Gain Guidance from Career Gurus', and 'DAY 5: Write a Winning Resume'. The main content area is titled 'Develop Soft Skills that Industry Demands' and includes a 'Summary' section. The summary text states: 'In this module you have learnt:'. Below this, there are three bullet points: 'Soft Skills are important in maintaining healthy personal and professional relationships.', 'A combination of hard and soft skills lead to career growth.', and 'Soft skills can be acquired by learning, practicing and observing.' An illustration of a notepad and pen is shown. The bottom of the page shows a progress bar at 100% and a timer at 00:15 / 00:15. The Windows taskbar at the bottom shows the date as 20-05-2020 and time as 17:40.

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

Program1:



The screenshot shows a web browser displaying a GitHub repository page for 'alvas-education-foundation/Rousha-daily-coding/blob/master/Reverse.py'. The browser's address bar shows the URL 'github.com/alvas-education-foundation/Rousha-daily-coding/blob/master/Reverse.py'. The repository page includes a search bar, navigation links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore', and a header for the repository 'alvas-education-foundation / Rousha-daily-coding'. The file 'Reverse.py' is selected, showing its commit history and code. The code is a Python program to reverse a number using a while loop. The code is as follows:

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

Program2:

alvas-education-foundation / Rousha-daily-coding

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Branch: master Rousha-daily-coding / DiffieHelman.py <> Jump to

Find file Copy path

rousharousha Rename DiffieHelman.pi to DiffieHelman.py

@b83013 2 minutes ago

1 contributor

30 lines (24 sloc) 1.14 KB

Raw Blame History

```
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 )
```

Screenshot (166).png

Show all

```
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 )
```

Screenshot (166).png

Show all