

DAILY ONLINE ACTIVITIES SUMMARY

Date:	20-05-2020	Name:	SRILATHA K KAMATH
Sem & Sec	6 B	USN:	4AL17CS099
Online Test Summary			
Subject	SYSTEM SOFTWARE AND COMPILER DESIGN IA TEST 1		
Max. Marks	30	Score	23
Certification Course Summary			
Course	Career Edge – Knockdown the Lockdown		
Certificate Provider	TCS	Duration	15days
Coding Challenges			
Problem Statement: Two python programs.			
Status: COMPLETED			
Uploaded the report in Github		YES	
If yes Repository name		https://github.com/alvas-education-foundation/Srilatha-K-Kamath-Daily-Report.git	
Uploaded the report in slack		YES	

Online Test Details:

The screenshot shows a web browser window with the URL `techgig.com/challenge/result/mcq/UjZuNENVOVp6KzcxMyt4dmkwM1d6QI09`. The page has a dark purple header with the text "Test Completed!" and "You have successfully participated in SYSTEM SOFTWARE AND COMPILER DESIGN - IA TEST 1." Below this, there is a "Rate this Test" section with a star rating and a "Click to Rate" link. The main content area is white and contains a green box with a checkmark icon, the text "MCQ", and "Your Score 23/30". The browser's taskbar at the bottom shows various application icons and the system clock indicating 9:53 AM on 5/20/2020.

Online Course Details: 26.79% COMPLETED.

The screenshot displays the TCS iON Digital Learning Hub interface. The header includes the TCS iON logo, a search bar, and navigation links like "My Dashboard" and "Blogs". The user profile section shows "srilatha k" with "0 Miles Achieved" and a "Performance details" link. The "My Products" section features a card for "Career Edge - Knockdown the Lockdown" by TCS iON. This card includes a "Courses/Batches(1)" section with details for "Batch 01", showing a progress bar at 26.79% completion and a "LAUNCH" button. There is also a "Communities(1)" link. The "Miscellaneous Products" section is partially visible at the bottom. The browser's taskbar at the bottom shows the system clock at 7:16 PM on 5/20/2020.

Online Coding Details:

The screenshot shows the GeeksforGeeks online IDE interface. The browser tabs include 'Python Bootcamp 2020 Build', 'Delicate - Taylor Swift', 'number reverse - sniathakun', 'Stack | cse_third_year_2019', 'New File', and 'IDE | GeeksforGeeks | A com...'. The address bar shows 'https://ide.geeksforgeeks.org'. On the left, a language menu lists C++, C#, Java, Perl, PHP, Python (selected), Scala, and HTML & JS. The main editor contains a Python script to reverse a number:

```
1 number = int(input("Please Enter any Number: "))
2 Reverse = 0
3
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)
```

 Below the editor, the 'Run' button is highlighted. The output area shows '25'. The bottom status bar indicates 'Time(sec): 0.02' and 'Memory(MB): 0.125'. A cookie notice is visible at the bottom of the IDE window.

The screenshot shows the GeeksforGeeks online IDE interface with a more complex Python program. The browser tabs include 'Python Bootcamp 2020 Build', 'Spotify - Liked Songs', 'Write a simple Python program', 'Stack | cse_third_year_2019', 'www.education-foundation', and 'IDE | GeeksforGeeks | A com...'. The address bar shows 'https://ide.geeksforgeeks.org'. The language menu on the left has 'Python' selected. The main editor contains a Python script for a Diffie-Hellman key exchange example:

```
1 #Write a simple Python program to implement Diffie-Hellman key Exchange Example
2 # Variables Used
3 sharedPrime = int(input("Enter the value of p(shared prime)")) #23
4 sharedBase = int(input("Enter the value of g(shared base)")) #5
5
6 aliceSecret = int(input("Enter the value of a(alice secret)")) #6
7 bobSecret = int(input("Enter the value of b(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 Channel: ", A)
17
18 # Bob Sends Alice B = g^b mod p
19 B = (sharedBase**bobSecret) % sharedPrime
20 print(" Bob Sends Over Public Channel: ", 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
```

 The 'Run' button is highlighted. The output area shows the execution of the program, including prompts for shared prime, shared base, and individual secrets, followed by the calculation and display of the shared secret. The bottom status bar indicates 'Time(sec): 0.02' and 'Memory(MB): 0.125'. A cookie notice is visible at the bottom of the IDE window.