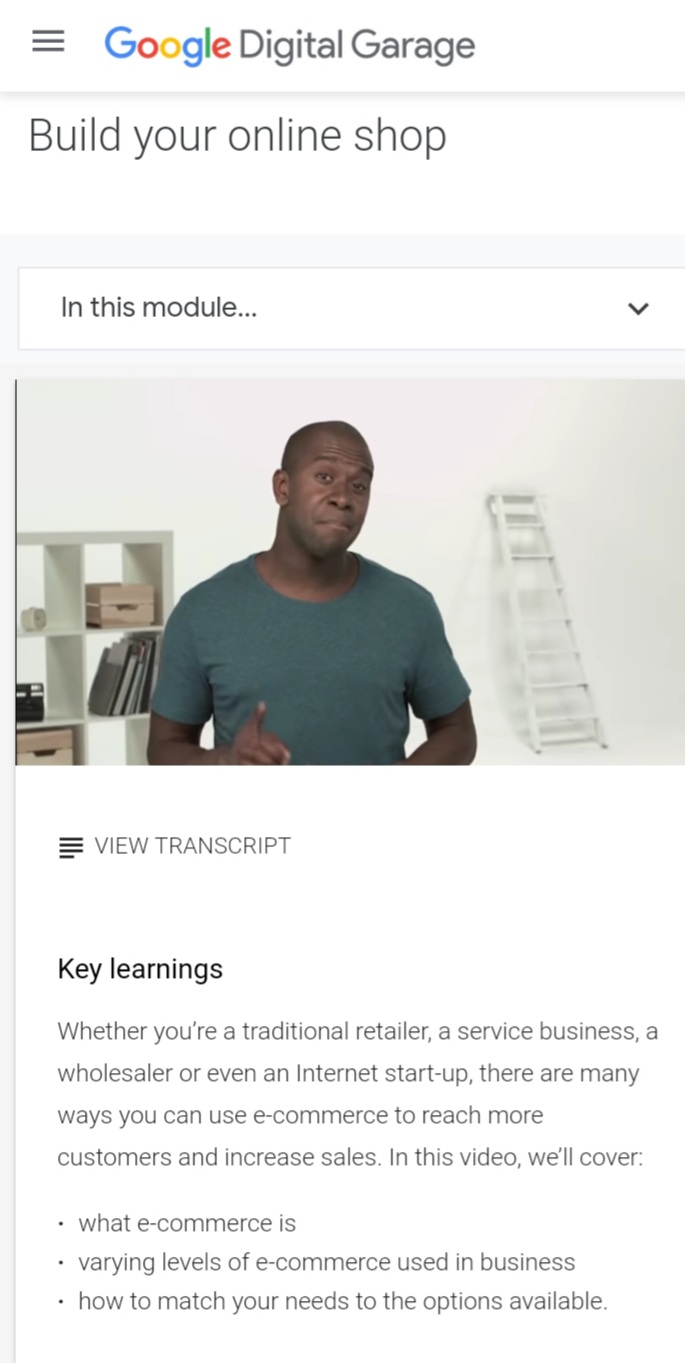
**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **21 June 2020** | | | | | **Name:** | **K ISHA HEGDE** | |
| **Sem & Sec** | **4th sem, 2nd year** | | | | | **USN:** | **4al18cs031** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **---** | | | | | | |
| **Max. Marks** | | **----** | | **Score** | | | **-----** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **INTRODUCTION TO DIGITAL MARKETING** | | | | | | | |
| **Certificate Provider** | | | **Google digital garage** | | **Duration** | | | **4 hours** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement:1 program** | | | | | | | | |
| **Status: Executed** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **Yes** | | | |
| **If yes Repository name** | | | | | <https://github.com/iishaii/locked-down_coding> | | | |
| **Uploaded the report in slack** | | | | | **Yes** | | | |

#### *Certification Course Summary:*

#### As a part of certification course ,Today I continued with INTRODUCTION TO DIGITAL MARKETING . I covered 5 modules. After the completion of course, certificate will be provided.

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***Coding Challenges:***

Today I solved 1 coding challenge,

1**. Write a Java program to count number of bits to be flipped to convert A to B**

Given two numbers ‘a’ and b’. Write a program to count number of bits needed to be flipped to convert ‘a’ to ‘b’.  
**Example:**

Input: a = 10, b = 20  
Output: 4  
Binary representation of a is 000**0101**0  
Binary representation of b is 00010100  
We need to flip highlighted four bits in a  
to make it b.

Input: a = 7, b = 10  
Output: 3  
Binary representation of a is 0000**01**1**1**  
Binary representation of b is 00001010  
We need to flip highlighted three bits in a  
to make it b.

**Hint**

1. Calculate XOR of A and B.  
   a\_xor\_b = A ^ B
2. Count the set bits in the above  
   calculated XOR result.  
   countSetBits(a\_xor\_b)

