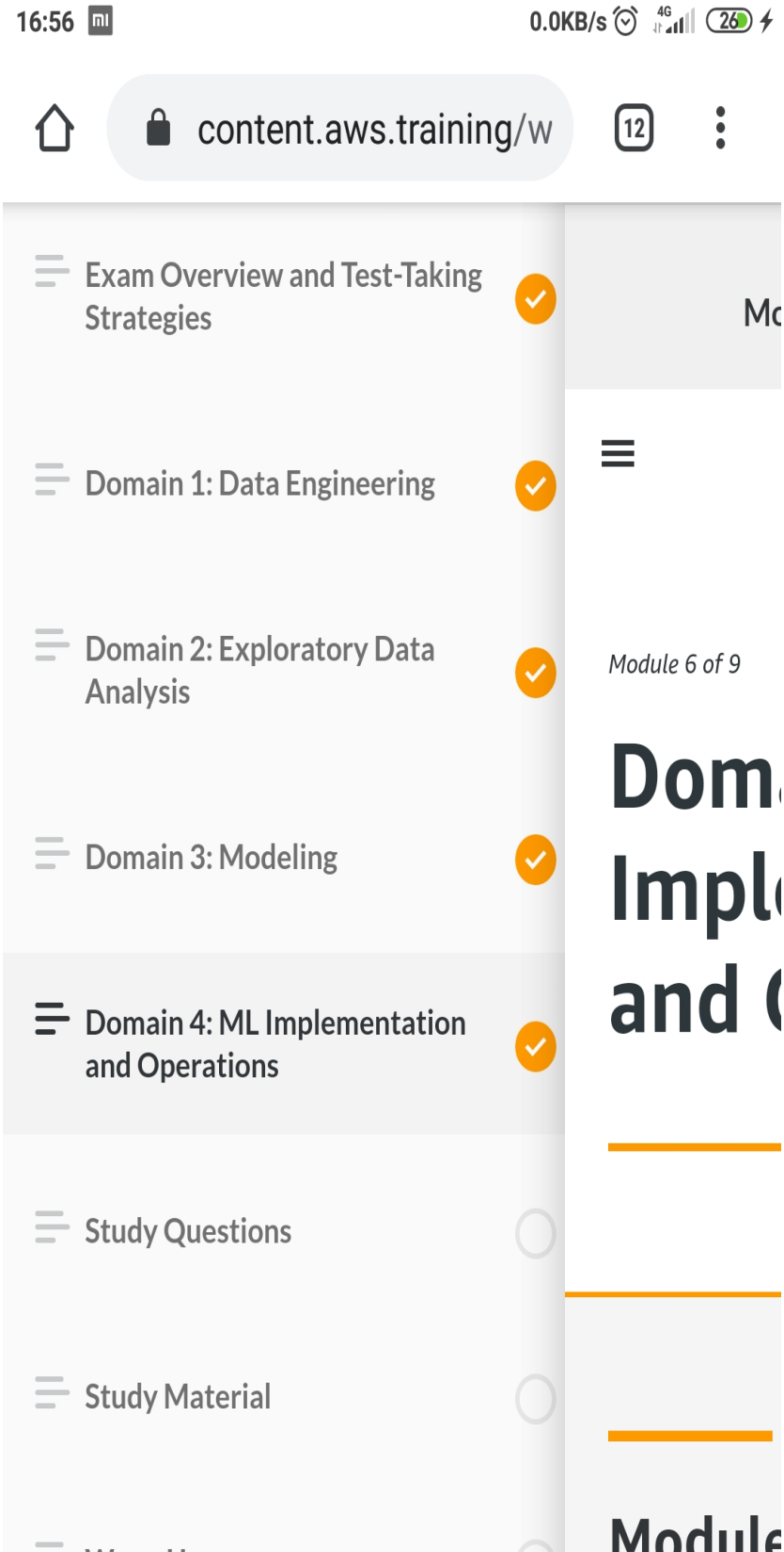
DAILY ONLINE ACTIVITIES SUMMARY

Date:	17-06-2020	Name:	Sheeri Shetty
Sem & Sec	8th sem B sec	USN:	4AL16CS095
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	AWS Machine Learning		
Certificate Provider	AWS	Duration	10-2.30
Coding Challenges			
Problem Statement- : *c program for triply linked list			
Status: completed			
Uploaded the report in Github	yes		
If yes Repository name	Sheeri - Shetty -		
Uploaded the report in slack	yes		

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

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



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

Coding was given and it was uploaded for github and slack

```
#include<stdio.h>

struct SLL;
struct TLL {
struct TLL *top;
struct TLL *bottom;
struct SLL *next;
};
typedef struct TLL tnode;

typedef struct SLL {
char ch;
struct SLL *link;
};
typedef struct SLL snode;

snode *newnode, *ptr, *prev, *temp;
snode *first = NULL, *last = NULL;

tnode *newt, *tlast = NULL, *ttemp;

//--- TLL node---
tnode* create_tnode()
{
   newt = (tnode *)malloc(sizeof(tnode));
   if (newt == NULL)
   {
      printf("\nMemory was not allocated");
      return 0;
   }
   else
   {
      newt->top = NULL;
      newt->bottom = NULL;
      newt->next = NULL;
      return newt;
   }
}
```

```
//---SLL---
snode* create_node(char c)
{
   newnode = (snode *)malloc(sizeof(snode));
   if (newnode == NULL)
   {
      printf("\nMemory was not allocated");
      return 0;
   }
   else
   {
      newnode->ch = c;
      newnode->link = NULL;
      return newnode;
   }
}

//--- insert SLL---
void insert_node_first(char c)
{

   newnode = create_node(c);
   if(tlast->next == NULL)
      tlast->next = newnode;

   if (first == last && first == NULL)
   {
      first = last = newnode;
      first->link = NULL;
      last->link = NULL;
   }
   else
   {
      temp = first;
      first = newnode;
      first->link = temp;
   }

   printf("\n----INSERTED %c TO SLL----", c);
}

//---insert TLL---
void insert_Tnode()
{

   newt = create_tnode();
   if (tlast == NULL)
   {
```

```
        tlast = newt;
        tlast->next = NULL;
        tlast->top = NULL;
        tlast->bottom = NULL;
    }
    else
    {
        ttemp = tlast;
        tlast = newt;
        tlast->next = NULL;
        tlast->top = ttemp;
        tlast->bottom = NULL;
        ttemp->bottom = tlast;
    }
    printf("\n----CREATED NEW TLL----");
}

void main()
{
    char s[100], n;
    int i;
    scanf("%[^;]s",s);

    insert_Tnode();
    for(i = 0; s[i] != '\0'; i++)
    {
        n = s[i];
        if(n == '\n')
            insert_Tnode();
        else
            insert_node_first(n);
    }
    printf("\n%s\n",s);
}
```