DAILY ONLINE ACTIVITIES SUMMARY

Date:	**19.5.20**		
Name of the Faculty	**Dr.S.Mohideen Badhusha**		
No. of Students Allotted for monitoring		**18**	
Progress		**The google doc file is sent to each one of them to collect their github account details**	
Whether collected report from all the allotted students		**11 members have responded and sent their github account details. 7 members have been intimated to send the account details immediately**	
Online Test Summary			
Subject			
Semester		**Duration**	
No. of students Taken		**Passing %**	
Certification Course Summary			
Course	**Not yet updated by the students. Asked them to update immediately**		
Certificate Provider		**Duration**	
Coding Challenges			
Problem Statement: Two python assignments have been posted in github			
Status: so far there is no submission			
Uploaded the report in Github		**yes**	

If yes Repository name	**CSE**
Uploaded the report in slack	**CSE**

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

yet to be provided by the students

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

yet to be provided by the students

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

Write a Python Program to print all the numbers present in a text file.

badhusha-sm
1 hour ago

Here is a function isprimebad that takes a positive integer as input and returns True if the number is prime and False otherwise. There is an error in this function. Provide an input n, which is a positive integer, for which isprimebad produces an incorrect output.

```
import math
def isprimebad(n) :
  if n < 2 :
    return(False)
  else :
    for i in range(2, int(math.sqrt(n))) :
      if n%i == 0 :
        return(False)
    return(True)

for i in range(1,50) :
  print(i,'==>',isprimebad(i))
```

You have to correct the error in the above code and Post it in your own Github account

Out of 18 , the following 13 students have given github account information

VI Semester students to be monitored

Mentor Name : Dr.Sm.Badhusha, Prof/CSE, Alva's Institute of Engineering and Technology

4AL17CS086	Shetty Ankit Suresh https://github.com/alvas-education-foundation/ankit_shetty
4AL17CS087	Shetty Disha Ravindra https://github.com/alvas-education-foundation/Disha_Shetty
4AL17CS089	Shetty Sathvik Ravindra https://github.com/sathvikshetty22
4AL17CS090	Shilpa S U http://gihub.com/alvas-education-foundation/Shilpa-S.U
4AL17CS091	Shreetal Kalabandi https://github.com/Shreetal
4AL17CS092	Shrinivasa
4AL17CS093	Shwetha M S https://github.com/alvas-education-foundation/Shwetha

4AL17CS094	Sindhu N https://github.com/alvas-education-foundation/Sindhu-N
4AL17CS095	Sneha Shetty Disha RavindraK Bakale Shetty Disha Ravindrahttps://github.com/alvas-education-foundation/Sneha-K-Bakale.git
4AL17CS096	Soundarya R
4AL17CS097	Spoorthi M S
4AL17CS098	Spoorthi Balaji https://github.com/spoorthybalaji
4AL17CS099	Shrilatha K Kamath https://github.com/alvas-education-foundation/Srilatha-K-Kamath
4AL17CS100	Suhas M S
4AL17CS101	Surya Prakash S

4AL17CS102	Sushmitha	https://github.com/sushmithaganiga/progress
4AL17CS103	Sushmitha B Poojary	https://github.com/alvas-education-foundation/sushmitha-b-poojary
4AL17CS104	Syed Hudaif Ibrahim	https://github.com/SyedHudaif

shetty Ankit

online coding

program 1

```
import java.util.Stack;

public class Main {

public static void main(String[] a){

Node n1 = new Node(10);

Node n2 = new Node(28);
```

```
Node n3 = new Node(15);

Node n4 = new Node(29);

Node n5 = new Node(10);

n1.next = n2;

n2.next = n3;

n3.next = n4;

n4.next = n5;

boolean result = isPalindrome(n1);

System.out.println("Is it palindrome: "+result);

}

static class Node {

int data;

Node next;

Node(int tmp) {
```
Shetty Disha Ravindra
```
data = tmp;
```
Shetty Disha Ravindra
```
}

}
```

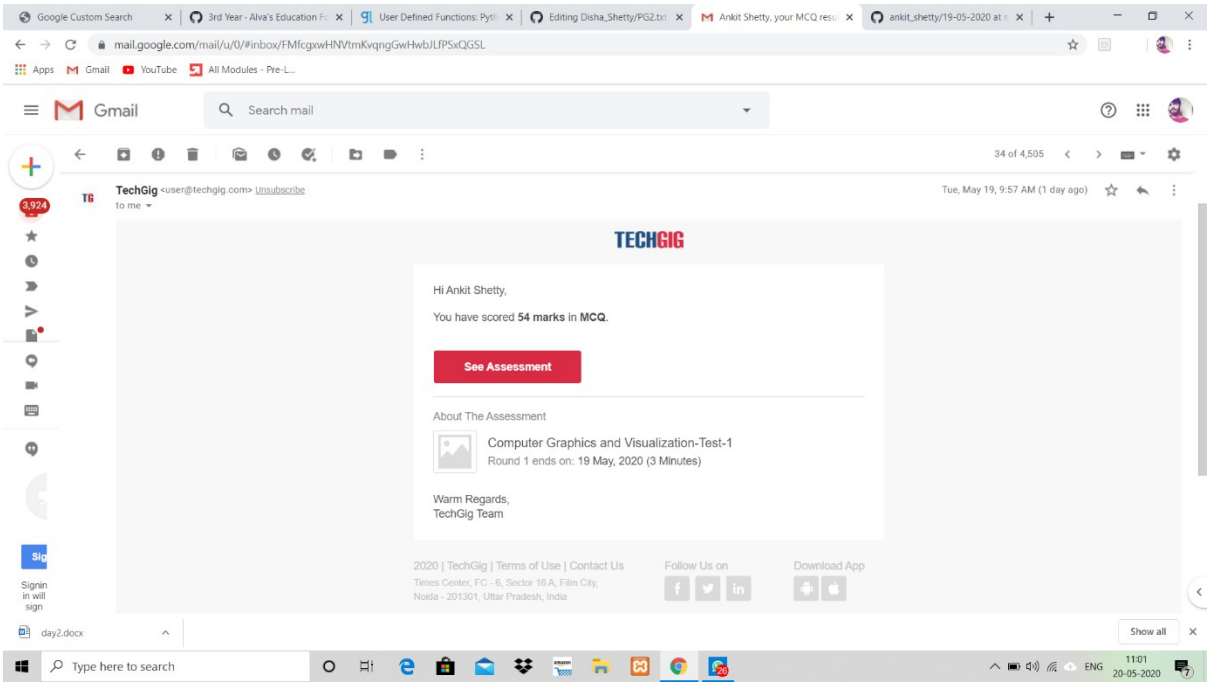
program 2

```
#include <stdio.h>

#include <string.h>

int check_subsequence (char [], char[]);

int main () {

int flag;

char s1[1000], s2[1000];

printf("Input first string\n");
```

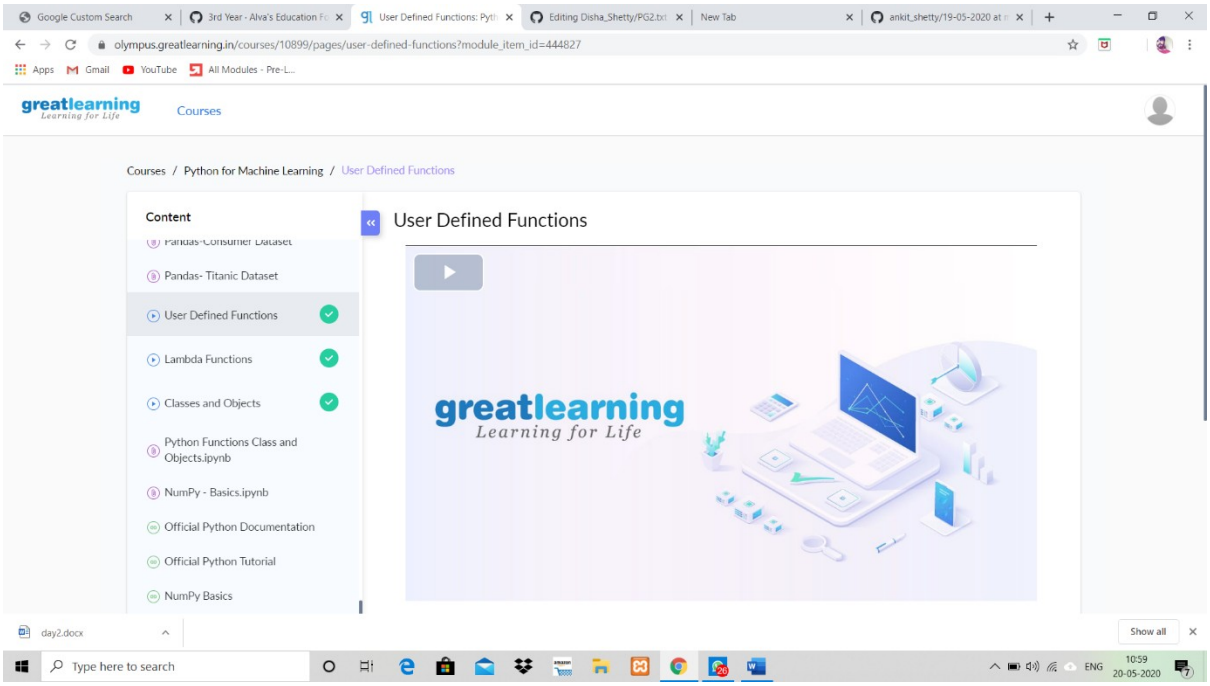
```
gets(s1);

printf("Input second string\n");

gets(s2);

if (strlen(s1) < strlen(s2))

flag = check_subsequence(s1, s2);

else

flag = check_subsequence(s2, s1);

if (flag)

printf("YES\n");

else

printf("NO\n");

return 0;

}

int check_subsequence (char a[], char b[]) {

int c, d;

c = d = 0;

while (a[c] != '\0') {

while ((a[c] != b[d]) && b[d] != '\0') {

d++;

}

if (b[d] == '\0')

break;

d++;

c++;

}
```

```
if (a[c] == '\0')

return 1;

else

return 0;

}
```

online test



online course



Shetty Disha Ravindra

online coding

```
import java.util.Stack;

public class Main {

public static void main(String[] a){

Node n1 = new Node(10);

Node n2 = new Node(28);

Node n3 = new Node(15);
```

```
Node n4 = new Node(29);
Node n5 = new Node(10);
n1.next = n2;
n2.next = n3;
n3.next = n4;
n4.next = n5;
boolean result = isPalindrome(n1);
System.out.println("Is it palindrome: "+result);
}
static class Node {
int data;
Node next;
Node(int tmp) {
data = tmp;
}
}
```

online test

nil

online course

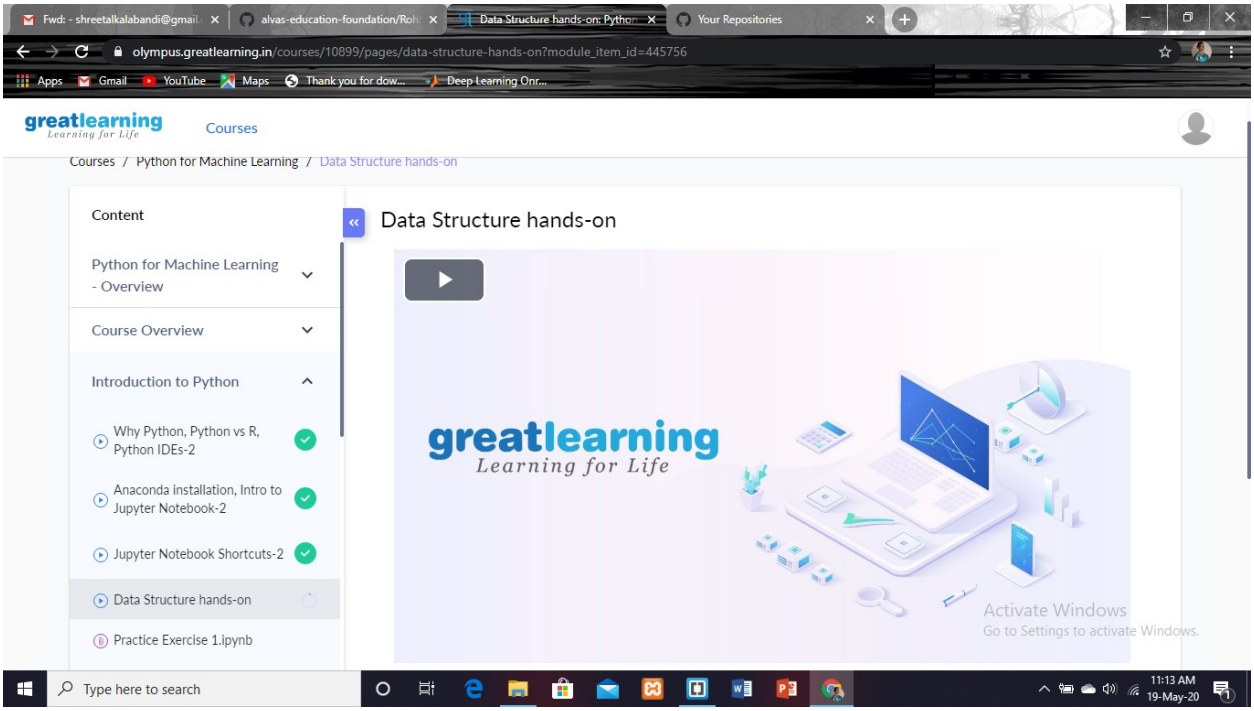
nil

DAILY ONLINE ACTIVITIES SUMMARY

Date:	**19-05-2020**	**Name:**	**Sathvik R Shetty**
Sem & Sec	**VI B**	**USN:**	**4AL17CS089**
Online Test Summary			
Subject	**CGV IA Test**		
Max. Marks	**60**	**Score**	**56**
Certification Course Summary			
Course	**Web Development with Python and Javascript**		
Certificate Provider	**Harvard University**	**Duration**	**12 weeks**
Coding Challenges			
Problem Statement: **1.** We have a Letter or a word then we need add some letters to it and need to find out shortest palindrome **2.** Write a simple code to identify given linked list is palindrome or not by using stack. First take a Stack. Traverse through each node of the linked list and push each node value to Stack.			
Status:Completed			
Uploaded the report in Github	**Yes**		
If yes Repository name	https://github.com/sathvikshetty22/Online-Coding		
Uploaded the report in slack	**Yes**		

Shreetal Kalabandi

online course



online activities

Date:	**18th may 2020**	**Name:**	**Shreetal Kalabandi**
Sem & Sec	**6th sem 'B'**	**USN:**	**4al17cs091**
Online Test Summary			
Subject	**CNSC**		
Max. Marks	**60**	**Score**	**43**
Certification Course Summary			
Course	**Great Learning(Python for machine learning)**		

Certificate Provider	Great Learning	Duration	5 hrs
Coding Challenges			
Problem Statement: factorial function.			
Status:completed.			
Uploaded the report in Github		**yes uploaded**	
If yes Repository name		**18thmayshreetal-4al17cs091**	
Uploaded the report in slack		**yes**	

Swetha MS

coding

Program1

```
import java.util.Scanner;
public class Main
{
public static void main(String args[])
{
int i;
String str;
int counter[] = new int[256];
Scanner in = new Scanner(System.in);
System.out.print("Enter a String : ");
```

```
str=in.nextLine();
for (i = 0; i < str.length(); i++) {
counter[(int) str.charAt(i)]++;
}
// Print Frequency of characters
for (i = 0; i < 256; i++) {
if (counter[i] != 0) {
System.out.println( (char) i + ":" +counter[i]);
}
}
}
}
```

Program2

```
class OddThread extends Thread
{
int limit;
sharedPrinter printer;
public OddThread(int limit, sharedPrinter printer)
{
this.limit = limit;
this.printer = printer;
}
```

```
@Override
public void run()
{
int oddNumber = 1;
while (oddNumber <= limit)
{
printer.printOdd(oddNumber);
oddNumber = oddNumber + 2;
}
}
}

class EvenThread extends Thread
{
int limit;
sharedPrinter printer;
public EvenThread(int limit, sharedPrinter printer)
{
this.limit = limit;
this.printer = printer;
}
@Override
public void run()
{
int evenNumber = 2;
while (evenNumber <= limit)
```

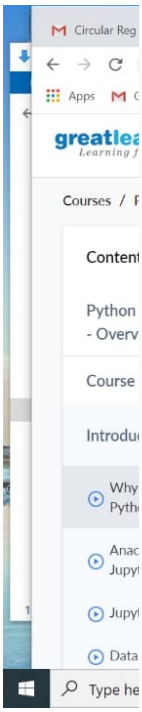
```
{
printer.printEven(evenNumber);
evenNumber = evenNumber + 2;
}
}
}
class sharedPrinter
{

boolean isOddPrinted = false;


synchronized void printOdd(int number)
{
while (isOddPrinted)
{
try
{
wait();
}
catch (InterruptedException e)
{
e.printStackTrace();
}
}
```

```
System.out.println(Thread.currentThread().getName()+" "+number);
isOddPrinted = true;
try
{
Thread.sleep(1000);
}
catch (InterruptedException e)
{
e.printStackTrace();
}
notify();
}

synchronized void printEven(int number)
{
while (! isOddPrinted)
{
try
{
wait();
}
catch (InterruptedException e)
{
e.printStackTrace();
}
```

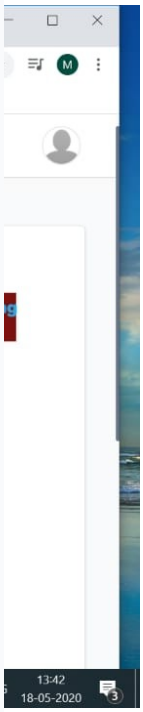
```
}
System.out.println(Thread.currentThread().getName()+" "+number);
isOddPrinted = false;
try
{
Thread.sleep(1000);
}
catch (InterruptedException e)
{
e.printStackTrace();
}
notify();
}
}
public class Main
{
public static void main(String[] args)
{
sharedPrinter printer = new sharedPrinter();
OddThread oddThread = new OddThread(20, printer);
oddThread.setName("—-pong");
EvenThread evenThread = new EvenThread(20, printer);
evenThread.setName("ping — >");
oddThread.start();
evenThread.start();
}
```

}

Online

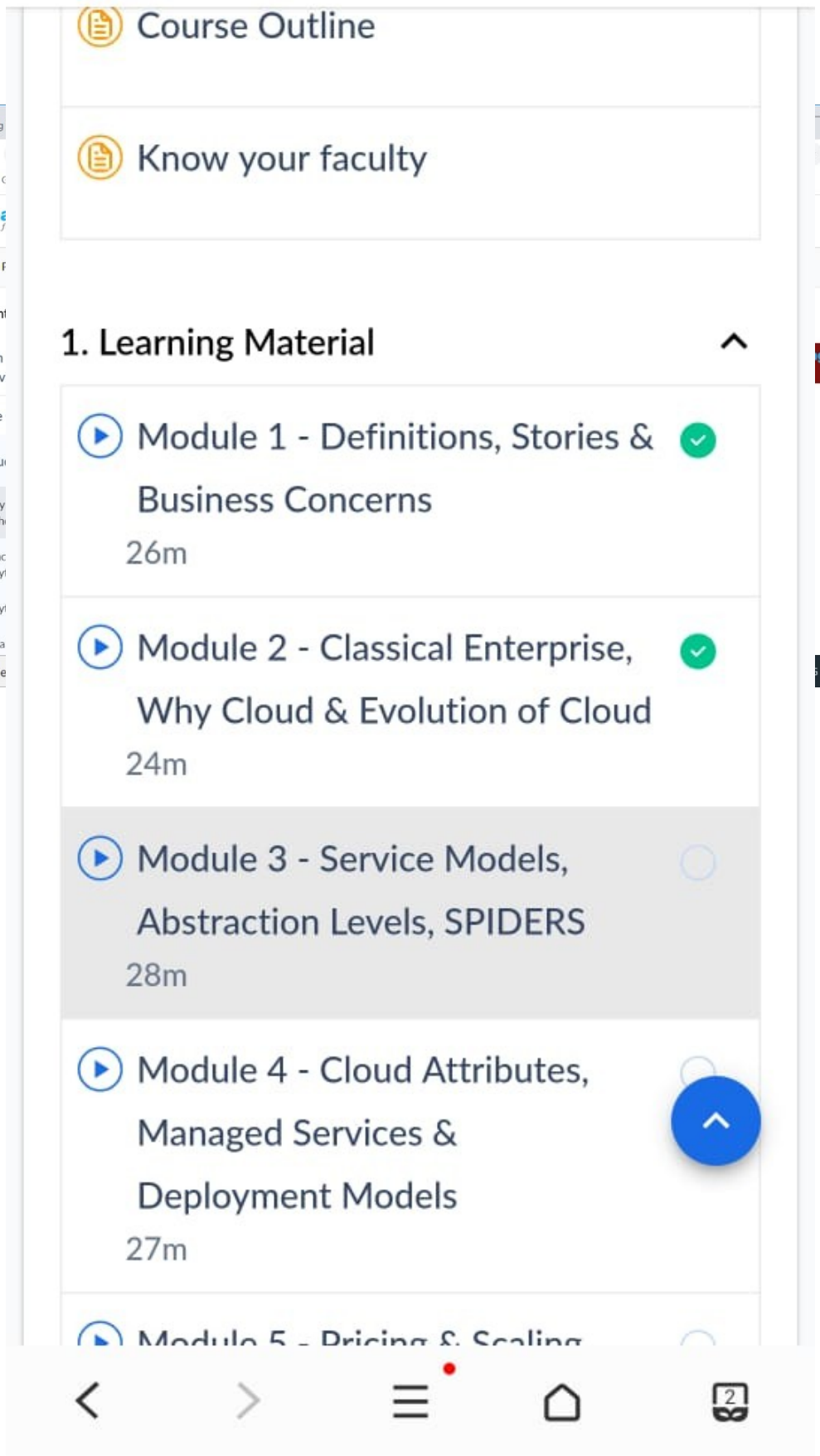


course



Sindu N

Online course



coding

program1:

```
import java.util.Stack;

// Data Structure to store a linked list node
```

```
class Node {
int data;
Node next;

Node(int i)
{
this.data = i;
this.next = null;
}
};

class Main
{
// Function to determine if a given linked list is palindrome or not
public static boolean isPalindrome(Node head)
{
// construct an empty stack
Stack<Integer> s = new Stack<>();

// push all elements of the linked list into the stack
Node node = head;
while (node != null) {
s.push(node.data);
node = node.next;
}

// traverse the linked list again
```

```
node = head;
while (node != null)
{
// pop the top element from the stack
int top = s.pop();

// compare the popped element with current node's data
// return false if mismatch happens
if (top != node.data) {
return false;
}

// advance to the next node
node = node.next;
}

// we reach here only when the linked list is palindrome
return true;
}

public static void main(String[] args)
{
Node head = new Node(1);
head.next = new Node(2);
head.next.next = new Node(3);
head.next.next.next = new Node(2);
```

```
head.next.next.next.next = new Node(1);

if (isPalindrome(head)) {
System.out.print("Linked List is a palindrome.");
} else {
System.out.print("Linked List is not a palindrome.");
}
}
}
```

program2:

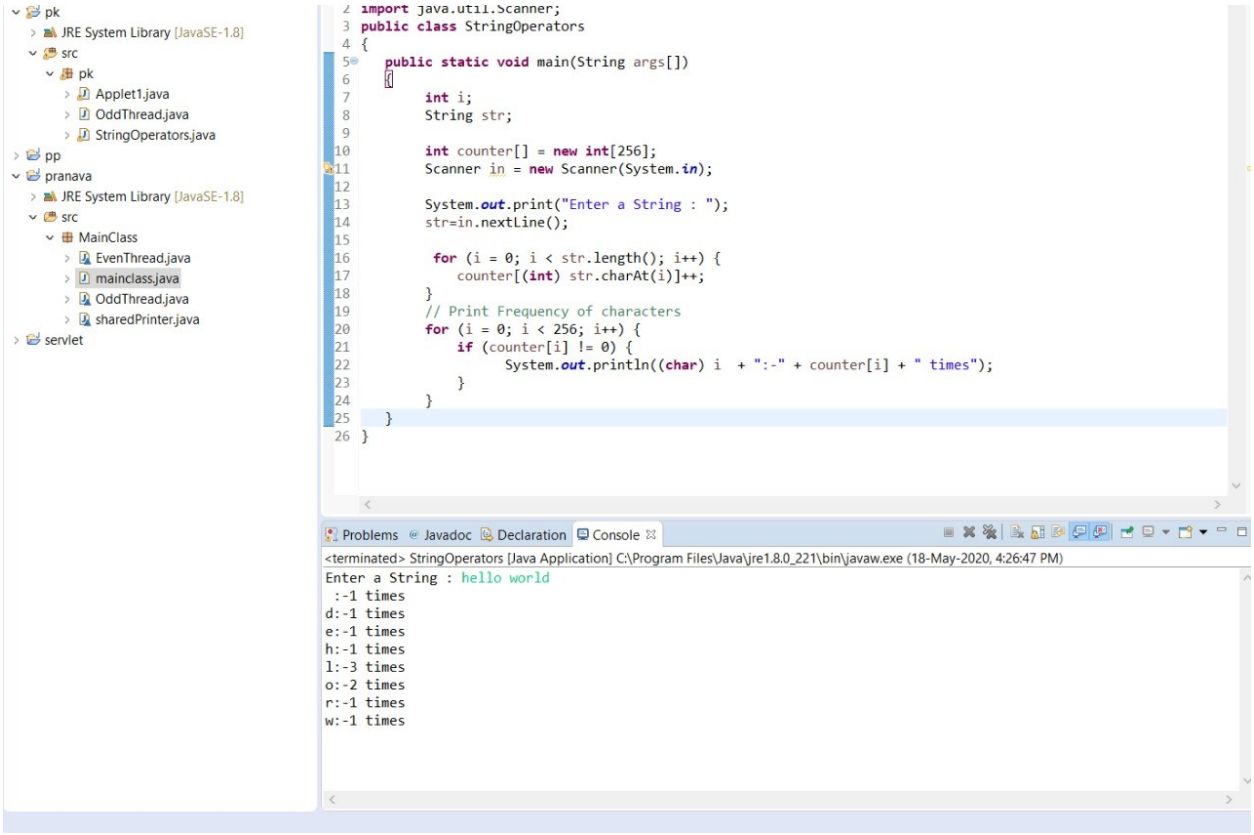
```
package shortestpalindromeexample.java;
import java.util.Scanner;

public class ShortestPalindromeDemo {

public static String shortestPalindrome(String str) {

int x=0;
int y=str.length()-1;

while(y>=0){
if(str.charAt(x)==str.charAt(y)){
```

```
x++;
}
y--;
}

if(x==str.length())
return str;

String suffix = str.substring(x);
String prefix = new StringBuilder(suffix).reverse().toString();
String mid = shortestPalindrome(str.substring(0, x));

return prefix+mid+suffix;
}

public static void main(String[] args) {

Scanner in = new Scanner(System.in);

System.out.println("Enter a String to find out shortest palindrome");

String str=in.nextLine();

System.out.println("Shortest palindrome of "+str+" is "+shortestPalindrome(str));

}
```

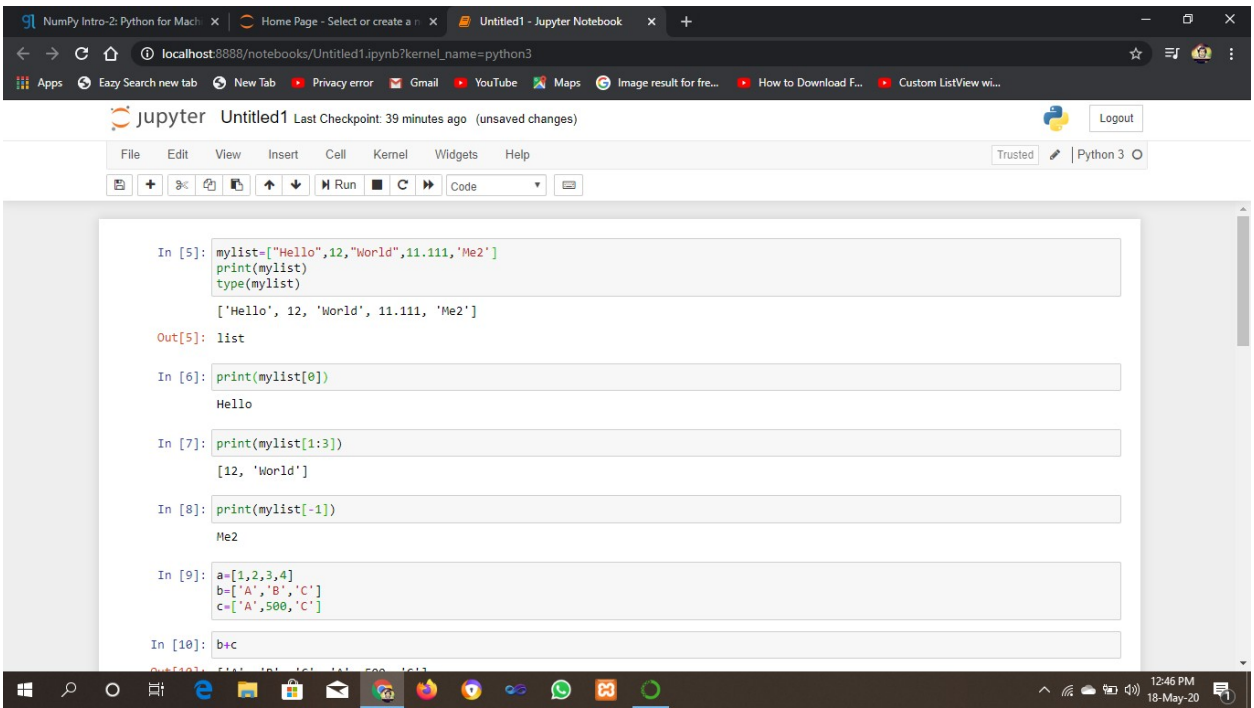
-

Spoorthi

coding

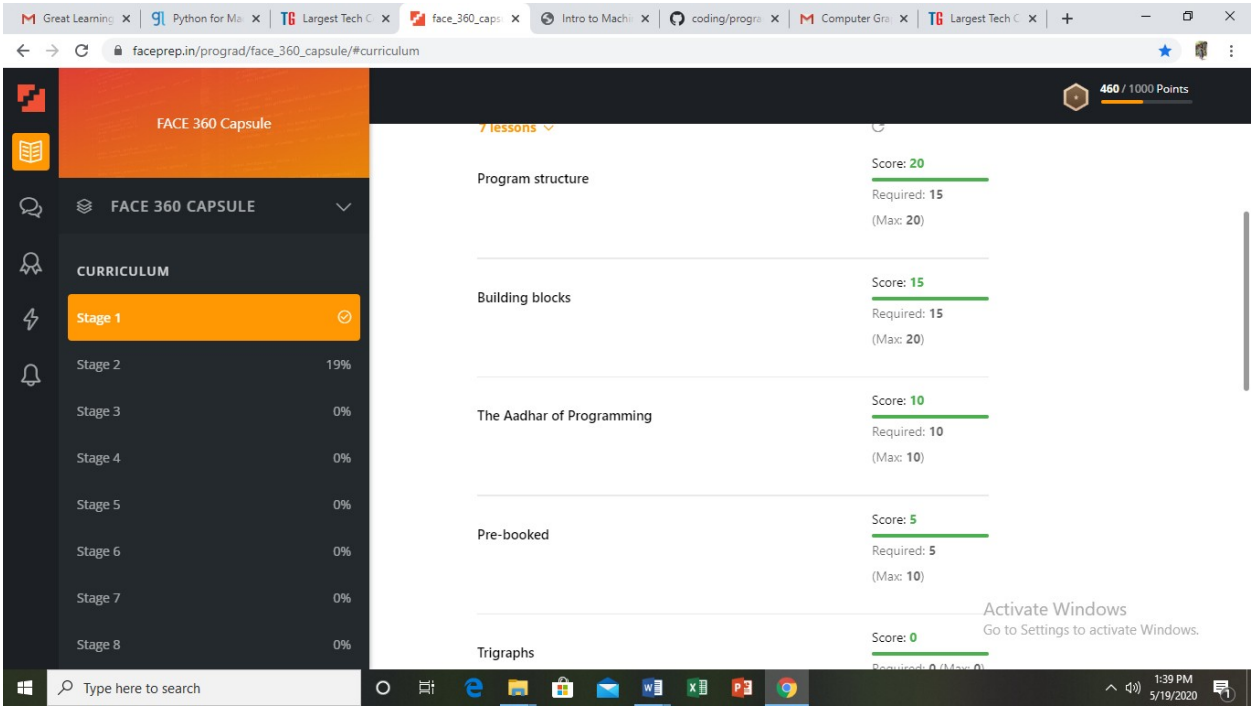


online course



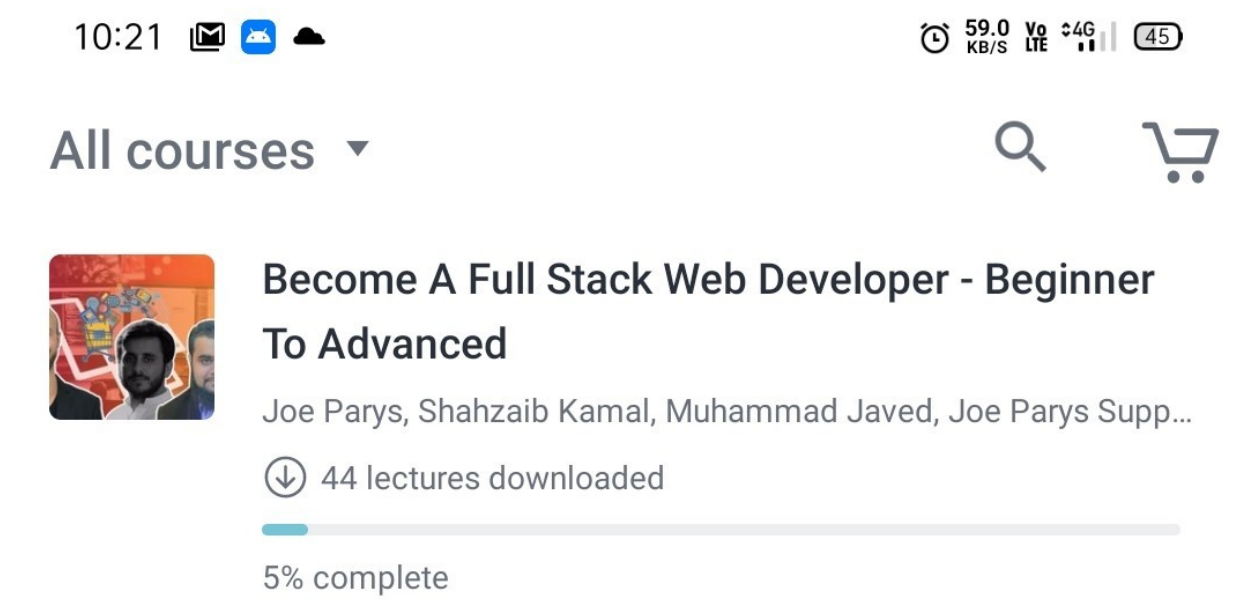
sushmitha ganiga

online course



Syed Hudaif

onlne course



coding

#Program 1

```
import java.util.Scanner;
public class Main
{
public static void main(String args[])
{
int i;
String str;
int counter[] = new int[256];
Scanner in = new Scanner(System.in);
System.out.print("Enter a String : ");
str=in.nextLine();
for (i = 0; i < str.length(); i++) {
counter[(int) str.charAt(i)]++;
}
// Print Frequency of characters
for (i = 0; i < 256; i++) {
if (counter[i] != 0) {
System.out.println( (char) i + ":" +counter[i]);
}
}
}
```

```
}
```

#Program 2

```
class OddThread extends Thread
{
int limit;
sharedPrinter printer;
public OddThread(int limit, sharedPrinter printer)
{
this.limit = limit;
this.printer = printer;
}
@Override
public void run()
{
int oddNumber = 1;
while (oddNumber <= limit)
{
printer.printOdd(oddNumber);
oddNumber = oddNumber + 2;
}
}
```

```
}

class EvenThread extends Thread
{
int limit;
sharedPrinter printer;
public EvenThread(int limit, sharedPrinter printer)
{
this.limit = limit;
this.printer = printer;
}
@Override
public void run()
{
int evenNumber = 2;
while (evenNumber <= limit)
{
printer.printEven(evenNumber);
evenNumber = evenNumber + 2;
}
}
}
class sharedPrinter
{
boolean isOddPrinted = false;
synchronized void printOdd(int number)
```

```
{
while (isOddPrinted)
{
try
{
wait();
}
catch (InterruptedException e)
{
e.printStackTrace();
}
}
System.out.println(Thread.currentThread().getName()+" "+number);
isOddPrinted = true;
try
{
Thread.sleep(1000);
}
catch (InterruptedException e)
{
e.printStackTrace();
}
notify();
}
```

```
synchronized void printEven(int number)
{
while (! isOddPrinted)
{
try
{
wait();
}
catch (InterruptedException e)
{
e.printStackTrace();
}
}
System.out.println(Thread.currentThread().getName()+" "+number);
isOddPrinted = false;
try
{
T hread.sleep(1000);
}
catch (InterruptedException e)
{
e.printStackTrace();
}
notify();
}
```

```
}
public class Main
{
public static void main(String[] args)
{
sharedPrinter printer = new sharedPrinter();
OddThread oddThread = new OddThread(20, printer);
oddThread.setName("—-pong");
EvenThread evenThread = new EvenThread(20, printer);
evenThread.setName("ping — >");
oddThread.start();
evenThread.start();
}
}
```

#Program 3

```
#include <stdio.h>
bool find3Numbers(int A[], int arr_size, int sum)
{
int l, r;
int t;
for int(t=0;t<l;t++)
{
```

```
for (int i = 0; i < arr_size - 2; i++) {
for (int j = i + 1; j < arr_size - 1; j++) {
for (int k = j + 1; k < arr_size; k++) {
if (A[i] + A[j] + A[k] == sum) {
printf("%d, %d, %d",
A[i], A[j], A[k]);
return true;
}
}
}
}

return false;
}
int main()
{
int A[50];
scanf("%d",A[i]);
int sum;
int arr_size = sizeof(A) / sizeof(A[0]);
find3Numbers(A, arr_size, sum);
return 0;
}
```

#Program 4

```
#include <stdio.h>
int check_anagram(char [], char []);
int main()
{
char a[100], b[100];
printf("Enter two strings : \n");
gets(a);
gets(b);

if (check_anagram(a, b) == 1)
printf("%s and %s strings are anagrams\n",a,b);
else
printf("%s and %s strings are not anagrams\n");

return 0;
}
int check_anagram(char a[], char b[])
{
int first[26] = {0}, second[26] = {0}, c=0;
while (a[c] != '\0')
{
first[a[c]-'a']++;
c++;
}
```

```
c = 0;
while (b[c] != '\0')
{
second[b[c]-'a']++;
c++;
}
for (c = 0; c < 26; c++)
{
if (first[c] != second[c])
return 0;
}
return 1;
}
```