

## DAILY ONLINE ACTIVITIES SUMMARY

Date:	20/05/2020	Name:	sushmitha
Sem & Sec	6th sem	USN:	4al17cs102
<b>Online Test Summary</b>			
Subject	SSCD		
Max. Marks	30	Score	20
<b>Certification Course Summary</b>			
Course	python for machine learning		
Certificate Provider	IBM	Duration	12 HRS
<b>Coding Challenges</b>			
Problem Statement:.			
Status: done			
Uploaded the report in Github		yes	
If yes Repository name		<a href="https://github.com/sushmithaganiga/coding/tree/master">https://github.com/sushmithaganiga/coding/tree/master</a>	
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)**

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**Challenge Over**  
by TechGig

## SYSTEM SOFTWARE AND COMPILER DESIGN - IA TEST 1

**MCQ**  
Your Highest Score 20    Max Score 30    [Start Test](#)

**Summary**  
Skills SS, Problem Solving Skills  
Ends On 20 May

**Details**    Winners    FAQs    My Submission

**Rules**

1. Any participant can attempt the assessment only 1 times, Only your best score counts!!
2. There will be no negative marking.

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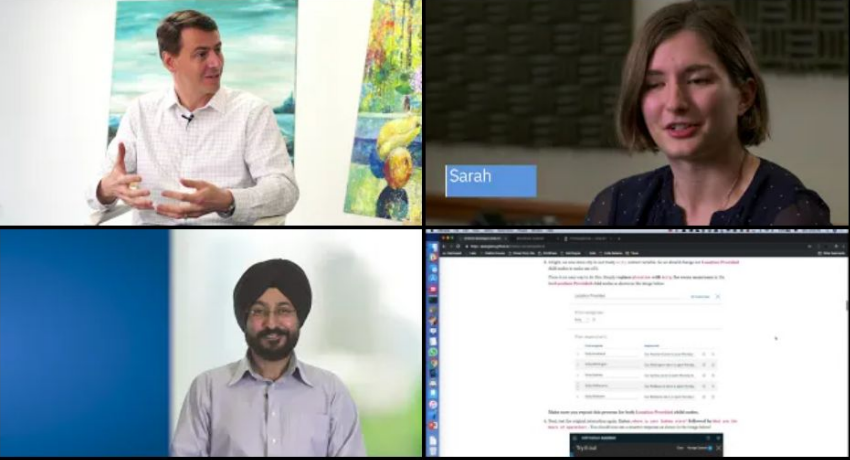
10:51 PM  
5/20/2020

Sushmitha „your“ x T6 Largest Tech Com x T6 Largest Tech Com x T6 Largest Tech Com x face\_360\_capsule x Intro to Regression x sushmithaganiga// x

courses.cognitiveclass.ai/courses/course-v1:CognitiveClass+ML0101ENv3+2018/courseware/bd64ccdf56ad4ea1afe870e26d583038/7cf88729adf24a89ae9f9563c4217649/?child=f...

### ML0101EN v3 - Intro to Regression 4:52

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4:52 / 4:52

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These and many other fields or domains, such as finance, healthcare, retail, and more. We have many regression algorithms. Each of them has its own importance and a specific condition to which their application is best suited. And while we've covered just a few of them in this course, it gives you enough base knowledge for you to explore different regression techniques. **Thanks for watching!**

Sushmitha „your“ x T6 Largest Tech Com x T6 Largest Tech Com x T6 Largest Tech Com x face\_360\_capsule x Simple Linear Reg x sushmithaganiga// x

courses.cognitiveclass.ai/courses/course-v1:CognitiveClass+ML0101ENv3+2018/courseware/bd64ccdf56ad4ea1afe870e26d583038/eb6af21484a94f07a500271fa4c82ea4/?child=f...

### ML0101EN v3 - Simple Linear Regression 12:50

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Quite simply, it is the most basic regression to use and understand. In fact, one reason why Linear Regression is so useful is that it's fast! It also doesn't require tuning of parameters. So, something like tuning the K parameter in K-Nearest Neighbors or the learning rate in Neural Networks isn't something to worry about. Linear Regression is also easy to understand and highly interpretable. **Thanks for watching this video.**

```
1 #include <stdio.h>
2 int check_anagram(char [], char []);
3 int main()
4 {
5     char a[100], b[100];
6     printf("Enter two strings : \n");
7     gets(a);
8     gets(b);
9
10    if (check_anagram(a, b) == 1)
11        printf("%s and %s strings are anagrams\n",a,b);
12    else
13        printf("%s and %s strings are not anagrams\n");
14
15    return 0;
16 }
17 int check_anagram(char a[], char b[])
18 {
19     int first[26] = {0}, second[26] = {0}, c=0;
20     while (a[c] != '\0')
21     {
22         first[a[c]-'a']++;
23         c++;
24     }
25     c = 0;
26     while (b[c] != '\0')
```


```
14
15     return 0;
16 }
17 int check_anagram(char a[], char b[])
18 {
19     int first[26] = {0}, second[26] = {0}, c=0;
20     while (a[c] != '\0')
21     {
22         first[a[c]-'a']++;
23         c++;
24     }
25     c = 0;
26     while (b[c] != '\0')
27     {
28         second[b[c]-'a']++;
29         c++;
30     }
31     for (c = 0; c < 26; c++)
32     {
33         if (first[c] != second[c])
34             return 0;
35     }
36     return 1;
37 }
```

```
1 package shortestpalindromeexample.java;
2 import java.util.Scanner;
3
4 public class ShortestPalindromeDemo {
5
6     public static String shortestPalindrome(String str) {
7
8         int x=0;
9         int y=str.length()-1;
10
11         while(y>=0){
12             if(str.charAt(x)==str.charAt(y)){
13                 x++;
14             }
15             y--;
16         }
17
18         if(x==str.length())
19             return str;
20
21         String suffix = str.substring(x);
22         String prefix = new StringBuilder(suffix).reverse().toString();
23         String mid = shortestPalindrome(str.substring(0, x));
24
25         return prefix+mid+suffix;
26     }
}
```

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https://github.com/sushmithaganiga/coding/pulls

```
20
21 String suffix = str.substring(x);
22 String prefix = new StringBuilder(suffix).reverse().toString();
23 String mid = shortestPalindrome(str.substring(0, x));
24
25 return prefix+mid+suffix;
26 }
27
28 public static void main(String[] args) {
29
30     Scanner in = new Scanner(System.in);
31
32     System.out.println("Enter a String to find out shortest palindrome");
33
34     String str=in.nextLine();
35
36     System.out.println("Shortest palindrome of "+str+" is "+shortestPalindrome(str));
37
38 }
```

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github.com/sushmithaganiga/coding/blob/master/program6

1 import java.util.Stack;  
2  
3 // Data Structure to store a linked list node  
4 class Node {  
5 int data;  
6 Node next;  
7  
8 Node(int i)  
9 {  
10 this.data = i;  
11 this.next = null;  
12 }  
13 };  
14  
15 class Main  
16 {  
17 // Function to determine if a given linked list is palindrome or not  
18 public static boolean isPalindrome(Node head)  
19 {  
20 // construct an empty stack  
21 Stack<Integer> s = new Stack<>();  
22  
23 // push all elements of the linked list into the stack  
24 Node node = head;  
25 while (node != null) {  
26 s.push(node.data);  
27 }  
28 }  
29 }  
30 }  
31 }  
32 }  
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98 }  
99 }  
100 }

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```
27         node = node.next;
28     }
29
30     // traverse the linked list again
31     node = head;
32     while (node != null)
33     {
34         // pop the top element from the stack
35         int top = s.pop();
36
37         // compare the popped element with current node's data
38         // return false if mismatch happens
39         if (top != node.data) {
40             return false;
41         }
42
43         // advance to the next node
44         node = node.next;
45     }
46
47     // we reach here only when the linked list is palindrome
48     return true;
49 }
50
51 public static void main(String[] args)
52 {
```

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```
47 // we reach here only when the linked list is palindrome
48 return true;
49 }
50
51 public static void main(String[] args)
52 {
53     Node head = new Node(1);
54     head.next = new Node(2);
55     head.next.next = new Node(3);
56     head.next.next.next = new Node(2);
57     head.next.next.next.next = new Node(1);
58
59     if (isPalindrome(head)) {
60         System.out.print("Linked List is a palindrome.");
61     } else {
62         System.out.print("Linked List is not a palindrome.");
63     }
64 }
65 }
```

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