DAILY ONLINE ACTIVITIES SUMMARY

Date:	01-07-2020	Name:	Chethana j
Sem & Sec	6 th & A	USN:	4al17cs022
Online Test Summary			
Subject			
Max. Marks	3 -	Score	-
Pre-placement Training Summary			
Topic			
Faculty		Duration	
Coding Challenges			
Problem Statement: 2 programs			
Status: Solved			
Uploaded the report in Github		yes	
If yes Repository name		https://github.com/Jchethana1990/online-course https://github.com/Jchethana1990/Machine- learning-workshop	
Uploaded the report in slack		yes	

ONLINE CODING

1. Python Program to Create a Linked List & Display the Elements in the Lists

```
class Node:
  def __init__(self, data):
    self.data = data
    self.next = None
class LinkedList:
  def __init__(self):
     self.head = None
     self.last node = None
  def append(self, data):
     if self.last_node is None:
       self.head = Node(data)
       self.last node = self.head
     else:
       self.last_node.next = Node(data)
       self.last_node = self.last_node.next
  def display(self):
     current = self.head
     while current is not None:
       print(current.data, end = ' ')
       current = current.next
a_llist = LinkedList()
n = int(input('Enter the elements would you like to add: '))
```

```
for i in range(n):

data = int(input('Enter data item: '))

a_llist.append(data)

print('The linked list: ', end = ")

a_llist.display()
```

```
main.py
   1 class Node:
       def __init__(self, data):
            self.data = data
             self.next = None
   6 → class LinkedList:
       def __init__(self):
           self.head = None
             self.last_node = None
       def append(self, data):
             if self.last_node is None:
                  self.head = Node(data)
                  self.last_node = self.head
                  self.last_node.next = Node(data)
                  self.last_node = self.last_node.next
          def display(self):
             current = self.head
                                                            input
Enter the elements would you like to add: 3
Enter data item: 2
Enter data item: -1
Enter data item: 7
The linked list: 2 -1 7
```

2. Write a program to find given two trees are mirror or not.

```
class Node
{
int data;
Node left, right;
```

```
public Node(int data)
  {
this.data = data;
left = right = null;
}
public class BinaryTree
  Node a, b;
booleanareMirror(Node a, Node b)
  {
if (a == null \&\& b == null)
return true;
if (a == null \parallel b == null)
return false;
returna.data == b.data
&&areMirror(a.left, b.right)
&&areMirror(a.right, b.left);
  }
public static void main(String[] args)
  {
BinaryTree tree = new BinaryTree();
     Node a = new Node(1);
     Node b = new Node(1);
a.left = new Node(2);
a.right = new Node(3);
a.left.left = new Node(4);
```

```
a.left.right = new Node(5);
b.left = new Node(3);
b.right = new Node(2);
b.right.left = new Node(5);
b.right.right = new Node(4);
if (tree.areMirror(a, b) == true)
System.out.println("Yes");
else
System.out.println("No");
            public static void main(String[] args)
                  BinaryTree tree - new BinaryTree();
Node a - new Node(1);
Node b - new Node(2);
a.left - new Node(3);
a.right = new Node(3);
a.left.left - new Node(4);
a.left.left - new Node(6);
a.left.left - new Node(5);
                      System.out.println("No");
         JDK 11.0.4 💌
                                                                   Interactive
        CommandLine Arguments
Type here to search
```