DAILY ONLINE ACTIVITIES SUMMARY

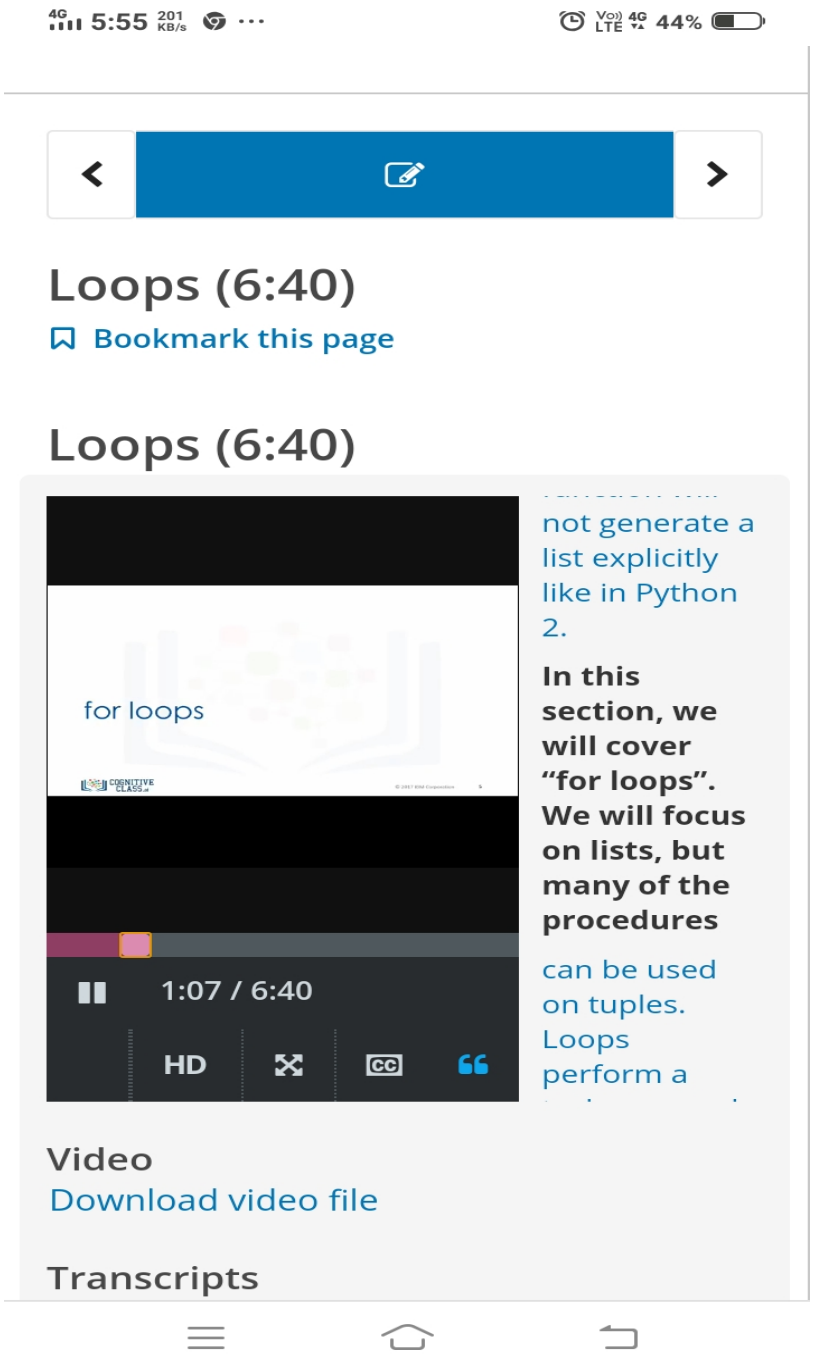
Date:	**23/06/2020**	**Name:**	**Prajwal**
Sem & Sec	**IV sem & B sec**	**USN:**	**4AL18CS057**
Online Test Summary			
Subject	**Design And Analysis Of Algorithm**		
Max. Marks	**-----**	**Score**	**------**
Certification Course Summary			
Course	**Python For Data Science**		
Certificate Provider	**COGNITIVE CLASS**	**Duration**	**12 hours**
Coding Challenges			
Problem Statement:1. Write a C program to sort a stack using a temporary stack.			
Status: Done			
Uploaded the report in Github		**YES**	
If yes Repository name		https://github.com/PRAJWALKOTIAN/lockdown-coding	
Uploaded the report in slack		**YES**	

Online test details

No test was conducted dated on 23 june 2020.

Certification Course Details

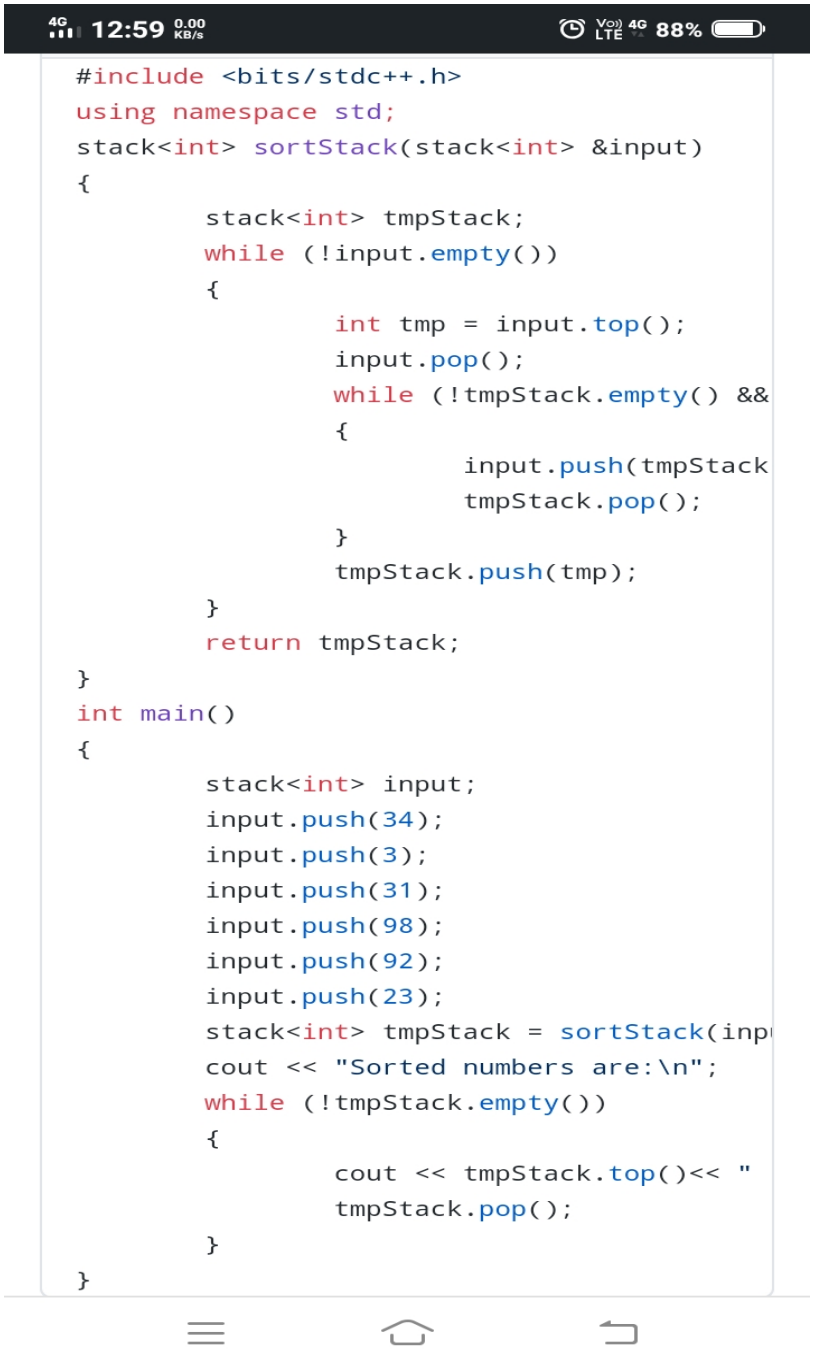
The cource I have choosen is python for data science in this I studied some basic looping concepts.



Coding Challenges Details

The bellow given codes are there on my github repository
https://github.com/PRAJWALKOTIAN/lockdown-coding

1. Write a C program to sort a stack using a temporary stack.




```
#include <bits/stdc++.h>
using namespace std;
stack<int> sortStack(stack<int> &input)
{
        stack<int> tmpStack;
        while (!input.empty())
        {
                int tmp = input.top();
                input.pop();
                while (!tmpStack.empty() &&
                {
                        input.push(tmpStack
                        tmpStack.pop();
                }
                tmpStack.push(tmp);
        }
        return tmpStack;
}
int main()
{
        stack<int> input;
        input.push(34);
        input.push(3);
        input.push(31);
        input.push(98);
        input.push(92);
        input.push(23);
        stack<int> tmpStack = sortStack(inp
        cout << "Sorted numbers are:\n";
        while (!tmpStack.empty())
        {
                cout << tmpStack.top()<< "
                tmpStack.pop();
        }
}
```