DAILY ONLINE ACTIVITIES SUMMARY

Date:	4-06-2020		Name:	ASHIKA
Sem & Sec	6 A		USN:	4AL17CS016
Online Test Summary				
Subject	OS			
Max. Marks	30		Score	14
Certification Course Summary				
Course	Python for data science			
Certificate Provider	Cognitive class		Duration	5 hour
Coding Challenges				

Problem Statement:
1. Write a Java program to implement Queue Using Array And Class
1.Python program to combine the strings

Status: done(executed)	
Uploaded the report in Github	yes
If yes Repository name	https://github.com/ASHIKA-05/DAILY-REPORT
Uploaded the report in slack	yes

Subject: os

ashikakulal252@gmail.com   Logout

Test Completed!
You have successfully participated in OS_TEST3.

Rate this Test
Your Rating: ★★★★★ ◀ Click to Rate

Results   Analytics

✓ Test 2 submitted

PROBLEMS

Your Score

6 / 9

✓ Test 1 submitted

MCQ

Your Score

8 / 21

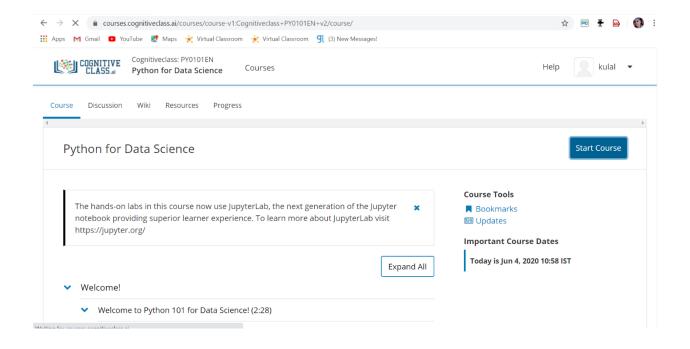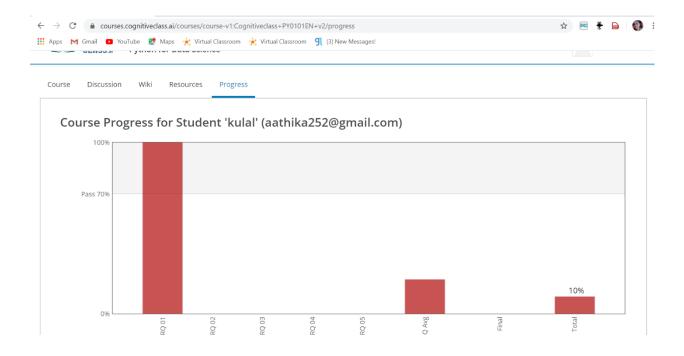# CERTIFICATION COURSE

Today I have studied

.sample code of python to print Hello world

.Type

.expressions and variable

.string operations

Along with this I executed all this type ,expressions, and variable etc.. program by running in jupyter notebook

And I studied numbers in string operations

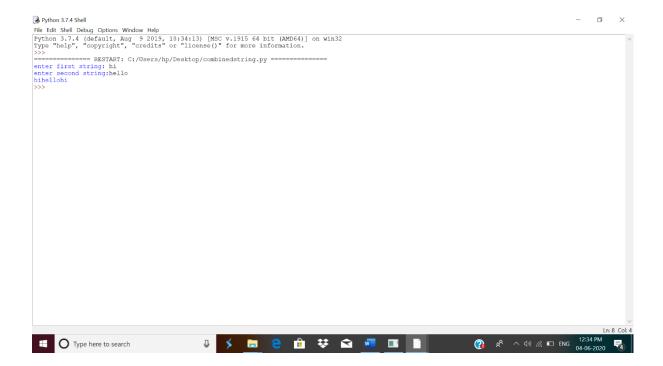# 1.Python program to combine the strings

Description:

Take two strings, return a string of the form short+long+short, with the shorter string on the outsides and the longer string on the inside. The strings will not be the same length, but they may be empty (length 0).

Eg:
Str1= 'Hello'
Str2= 'Hi'
Combined_str('Hello', 'Hi') ='HiHelloHi'

str1=input('enter first string: ')

str2=input('enter second string:')

a=len(str1)

b=len(str2)

if(a<b):

   print(str1+str2+str1)

else:

   print(str2+str1+str2)

output:

```
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
Python 3.7.4 (default, Aug  9 2019, 18:34:13) [MSC v.1915 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=============== RESTART: C:/Users/hp/Desktop/combinedstring.py ===============
enter first string: hi
enter second string:hello
hihellohi
>>>
```

2. Write a Java program to implement Queue Using Array And Class

public class QueueUsingArrayMain {

 private int capacity;

        int queueArr[];

        int front;

        int rear;

        int currentSize = 0;

        public QueueUsingArrayMain(int sizeOfQueue) {

                this.capacity = sizeOfQueue;

                front = 0;

                rear = -1;

                queueArr = new int[this.capacity];

```java
        }

        public void enqueue(int data) {

                if (isFull()) {

                        System.out.println("Queue is full!! Can not add more elements");

                } else {

                        rear++;

                        if (rear == capacity - 1) {

                                rear = 0;

                        }

                        queueArr[rear] = data;

                        currentSize++;

                        System.out.println(data + " added to the queue");

                }

        }

        public void dequeue() {

                if (isEmpty()) {

                        System.out.println("Queue is empty!! Can not dequeue element");

                } else {

                        front++;

                        if (front == capacity - 1) {

                                System.out.println(queueArr[front - 1] + " removed from the queue");

                                front = 0;

                        } else {

                                System.out.println(queueArr[front - 1] + " removed from the queue");

                        }
```

```java
                currentSize--;

        }

}

public boolean isFull() {

        if (currentSize == capacity) {

                return true;

        }

        return false;

}

public boolean isEmpty() {


        if (currentSize == 0) {

                return true;

        }

        return false;

}


public static void main(String a[]) {


        QueueUsingArrayMain queue = new QueueUsingArrayMain(5);

        queue.enqueue(6);

        queue.dequeue();

        queue.enqueue(3);

        queue.enqueue(99);

        queue.enqueue(56);
```

```
            queue.dequeue();

            queue.enqueue(43);

            queue.dequeue();

            queue.enqueue(89);

            queue.enqueue(77);

            queue.dequeue();

            queue.enqueue(32);

            queue.enqueue(232);

        }

    }
```

Output: