

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

techgig.com/challenge/result/problems/TTI5OWRLdjk2MURIT2hidzY4NTRHQT09

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Test Completed!

You have successfully participated in OS_TEST3.

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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

courses.cognitiveclass.ai/courses/course-v1:Cognitiveclass+PY0101EN+v2/course/

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Course Discussion Wiki Resources Progress

Python for Data Science

Start Course

The hands-on labs in this course now use JupyterLab, the next generation of the Jupyter notebook providing superior learner experience. To learn more about JupyterLab visit <https://jupyter.org/>

Expand All

Welcome!

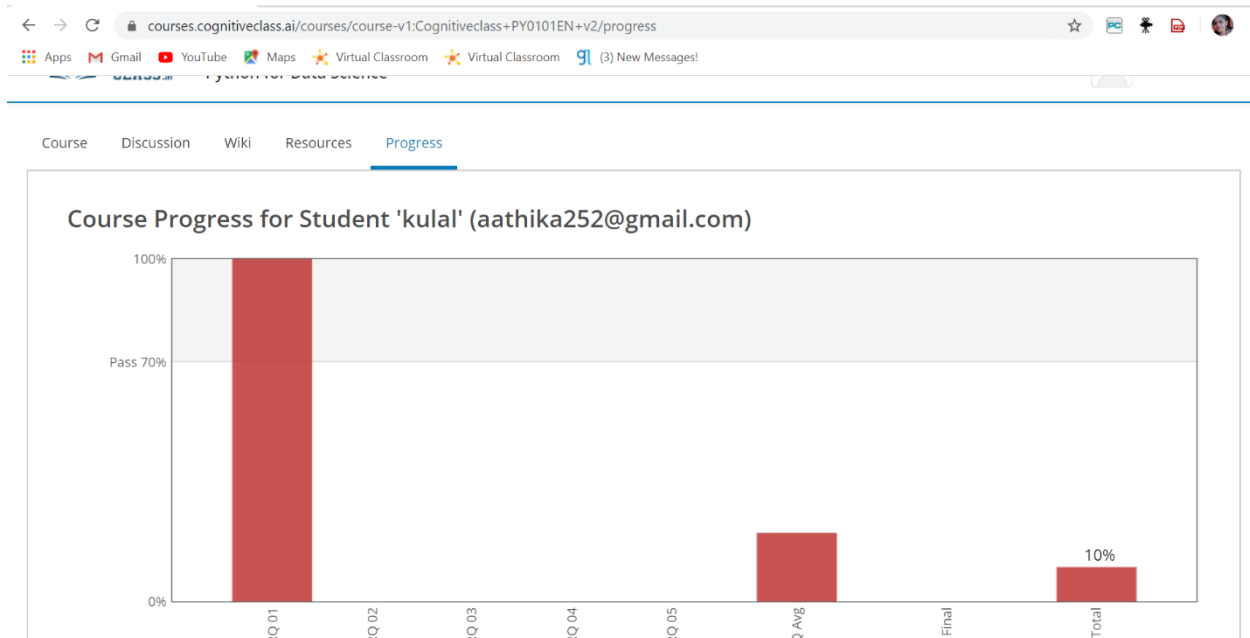
Welcome to Python 101 for Data Science! (2:28)

Course Tools

- Bookmarks
- Updates

Important Course Dates

Today is Jun 4, 2020 10:58 IST



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:

A screenshot of a Python 3.7.4 Shell window. The window title is "Python 3.7.4 Shell". The menu bar includes "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The status bar at the bottom shows "Ln: 8 Col: 4". The main text area contains the following text:

```
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];
```

```

}

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");
        }
    }
}

```

```
        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:

The screenshot shows a web browser at tutorialspoint.com/compile_java_online.php with the CodingGround interface. The code editor on the left contains the following Java code:

```

46 }
47 public boolean isEmpty() {
48
49     if (currentSize == 0) {
50         return true;
51     }
52     return false;
53 }
54
55 public static void main(String a[]) {
56
57     QueueUsingArrayMain queue = new QueueUsingArrayMain(5);
58     queue.enqueue(6);
59     queue.dequeue();
60     queue.enqueue(3);
61     queue.enqueue(99);
62     queue.enqueue(56);
63     queue.dequeue();
64     queue.enqueue(43);
65     queue.dequeue();
66     queue.enqueue(89);
67     queue.enqueue(77);
68     queue.dequeue();
69     queue.enqueue(32);
70     queue.enqueue(232);
71 }
72 }
73
74

```

The output window on the right shows the execution results:

```

$javac QueueUsingArrayMain.java

$java -Xmx128M -Xms16M QueueUsingArrayMain

6 added to the queue
6 removed from the queue
3 added to the queue
99 added to the queue
56 added to the queue
3 removed from the queue
43 added to the queue
99 removed from the queue
89 added to the queue
77 added to the queue
56 removed from the queue
32 added to the queue
232 added to the queue

```