

## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	28/05/2020	Name:	NIKHIL KUMAR
Sem& Sec	4 <sup>th</sup> SEM. & 'B' SEC.	USN:	4AL19CS400
<b>Online Test Summary</b>			
Subject 1	MICRO-CONTROLLER AND EMBEDDED SYSTEMS		
Subject 2	VYAVAHARIKA KANNADA		
Max. Marks(MCES)	20	Score	19
Max. Marks (VK)	50	Score	38
<b>Certification Course Summary</b>			
Course	Python for Machine Learning		
Certificate Provider	Greatlearning Academy	Duration	5 Hrs.
<b>Coding Challenges</b>			
<b>Problem Statement: Input:</b> A digital root is the recursive sum of all the digits in a number. Given n, take the sum of the digits of n. If that value has more than one digit, continue reducing in this way until a single-digit number is produced. This is only applicable to the natural numbers. digit_root(0)= 0  digital_root(16) => 1 + 6 => 7			
Status:executed			

Uploaded the report in Github	Yes
If yes Repository name	<a href="https://github.com/Nikhil401/java-coding/blob/master/DigitalRoot.java">https://github.com/Nikhil401/java-coding/blob/master/DigitalRoot.java</a>
Uploaded the report in slack	Yes

**Online Test Summary:** 18CS44 test was scheduled from 12:00 to 12:40 pm. The portion for the IA was 2nd module and the time assigned was 40 minutes the questions were mcq type contain 1 mark each...

**Online Test summary :** Subject vyavaharika kannada test scheduled from 2:00 to 2:50 pm. The portion for the IA was contains all five chapters...

The screenshot shows a web browser window with the URL [techgig.com/challenge/result/mcq/ZVcyUjFNQUNKaFB2Qk54enVgc2Q0QT09](https://techgig.com/challenge/result/mcq/ZVcyUjFNQUNKaFB2Qk54enVgc2Q0QT09). The page has a dark purple header with the text "Test Completed!" and "You have successfully participated in MES-TEST2-MODULE2." Below this, there is a "Rate this Test" section with a star rating and a "Click to Rate" button. The main content area is white and contains a "Results" tab. Under the "Results" tab, there is a green box with a checkmark icon, the text "MCQ", and "Your Score 19 / 20". The browser's address bar shows the URL and the user is logged in as "nikhillakshu001@gmail.com". The Windows taskbar at the bottom shows the time as 12:39 PM on 9/28/2020.

Largest Tech Community | Hack... X

techgig.com/challenge/result/mcq/NmRFS1JPtHYR01XR0MxN21qN29zZz09

nikhillaksh001@gmail.com Logout

## Test Completed!

You have successfully participated in Vyavaharika Kannada.

Rate this Test

Your Rating: ★★★★★ Click to Rate

Results Analytics

mcq

Your Score **38**.50

**Certification Course Summary:** Today I have learn something about tha introduction of the pandas of which snapshot is given below

greatlearning Learning for life

localhost8888/notebooks/Google Drive/python course/scripts/pandas\_example.ipynb

jupyter pandas\_example Last Checkpoint Last Thursday at 1:26 PM (autosaved)

File Edit View Insert Cell Kernel Widgets Help Trusted Python 3

### Pandas

Pandas is a package used for managing data.

Pandas main use is that it creates 2 new data types for storing data: series and dataframe.

Think of a pandas dataframe like an excel spreadsheet that is storing some data. One column can have customer name, one column can have product sold name, another column can have price or quantity... Then the rows could be individual sales.

A dataframe is made up of several series. Each column of a dataframe is a series.

We can name each column and row of a dataframe.

A pandas dataframe is very similar to a data.frame in R.

Similar to numpy arrays, a dataframe is a more robust data type for storing data than lists of lists. Dataframes are more flexible than numpy arrays.

A numpy array can create a matrix with all entries of the same data type. In a dataframe each column can have its own datatype.


That's not to say numpy arrays aren't useful. It is often easiest to convert some subset of a dataframe to a numpy array and then use that to do some math.

Pandas also has SQL-like functions for merging, joining, and sorting dataframes.

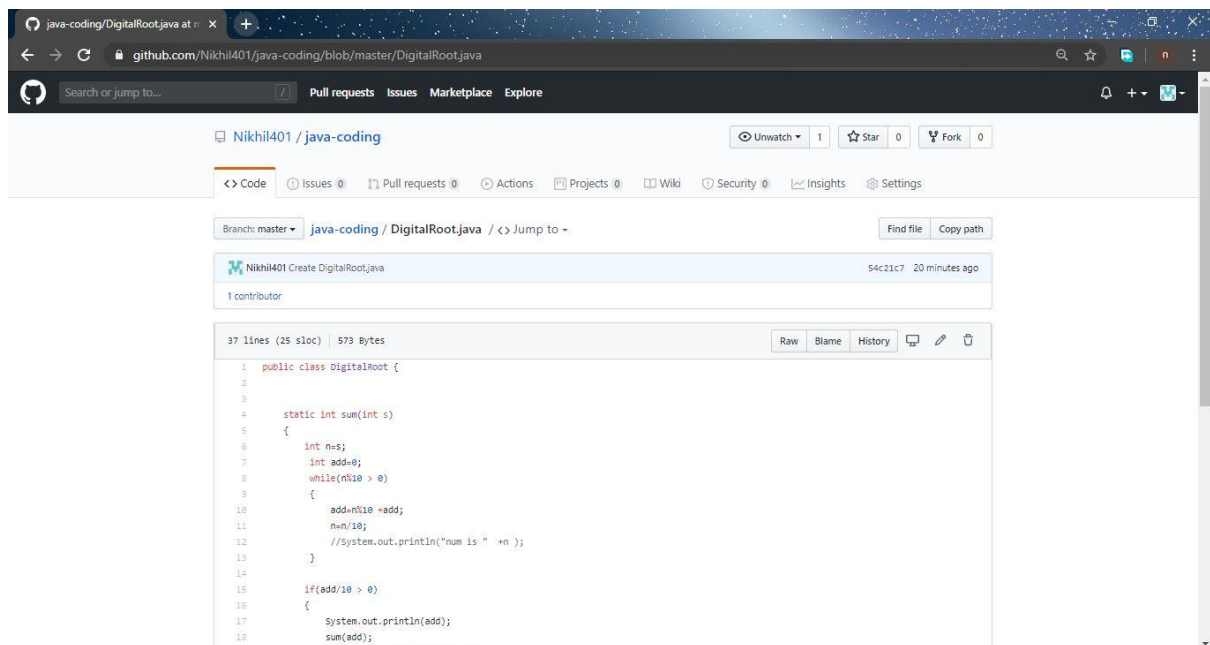
```
In [ ]: import pandas as pd
import numpy as np # numpy is not necessary for pandas, but we will use some np code in this example
# in general it's good practice to import all packages at the beginning

In [ ]: # first let's look at series - think of this as a single column of a spreadsheet
# each entry in a series corresponds to an individual row in the spreadsheet
# we can create a series by converting a list, or numpy array

mylist = [0.4, 0.1, 1.7, 20.8]
```



**Online Coding Summary:**Online Coding Summary: Online coding Summary: Today I received one program from Prof.Venkatesh CSE Dept. The program is mentioned above(pg.01). to my GitHub repository and I've shared the snapshot below.



The screenshot shows a web browser displaying a GitHub repository page. The repository is named 'java-coding' by user 'Nikhil401'. The file 'DigitalRoot.java' is selected, showing its code. The code is a Java program to calculate the digital root of a number. It includes a static method 'sum' that takes an integer 's' and returns its digital root. The main method reads an integer 'n' from the user and prints the digital root using the 'sum' method.

```
1 public class DigitalRoot {
2
3
4     static int sum(int s)
5     {
6         int n=s;
7         int add=0;
8         while(n%10 > 0)
9         {
10             add=n%10 +add;
11             n=n/10;
12             //System.out.println("num is: " +n );
13         }
14
15         if(add/10 > 0)
16         {
17             System.out.println(add);
18             sum(add);
19         }
20     }
21 }
```

**Thank you.**

