

## DAILY ONLINE ACTIVITIES SUMMARY

Date:	04-08-2020	Name:	M.C Suchithra Heggade
Sem & Sec	6 A	USN:	4AL17CS047
<b>Online Test Summary</b>			
Subject	-		
Max. Marks	-	Score	-
<b>Certification Course Summary</b>			
Course	Python for Everybody-Specialization Course		
Certificate Provider	Coursera	Duration	4hrs/week
<b>Coding Challenges</b>			
Problem Statement: Python Program for Finding the vertex, focus and directrix of a parabola			
Status: COMPLETED			
Uploaded the report in Github		YES	
If yes Repository name		<a href="https://github.com/Suchitraheggade/certification-on-Online-coding">https://github.com/Suchitraheggade/certification-on-Online-coding</a>	
Uploaded the report in slack		YES	

## Online Course Details:

The screenshot shows a web browser displaying a Coursera course page. The browser tabs include 'Coursera for Students | Coursera' and 'Data Science - University of Michigan'. The address bar shows the URL 'coursera.org/learn/python-data-analysis/lecture/wPUOQ/data-science'. The Coursera logo and a user profile 'M.C. Suchithra Hegg...' are visible in the top right. The course title 'Introduction to Data Science in Python' and 'Week 1 > Data Science' are shown. A sidebar on the left lists course content: 'Python Fundamentals', 'Video: Introduction to Specialization (3 min)', 'Reading: Syllabus (10 min)', 'Reading: Help us learn more about you! (10 min)', 'Video: Data Science (7 min)', 'Reading: 50 years of Data Science, David Donoho (optional) (1h 30m)', 'Video: The Coursera Jupyter Notebook System (3 min)', 'Reading: Notice for Auditing Learners: Assignment Submission (10 min)', 'Notebook: Week 1 Lectures Jupyter Notebook', and 'Video: Python Functions'. The main content area is titled 'Data Science' and features a video player with a portrait of David Donoho. To the right of the video is a list of topics: 'David Donoho, "50 Years of Data Science"', '1. Data Exploration and Preparation', '2. Data Representation and Transformation', '3. Computing with Data', '4. Data Modeling', '5. Data Visualization and Presentation', and '6. Science about Data Science'. A 'Notes' panel on the right contains a 'Save Note' button and instructions. The bottom of the screen shows a Windows taskbar with various application icons and a search bar.

## Online Coding Details:

The screenshot shows the Programiz Python Online Compiler interface. At the top, there is a 'Programiz' logo and the text 'Python Online Compiler'. To the right, there are banners for 'APPLIED COURSE Interview preparation Course' and 'TRY FREE VIDEO 12000+'. A 'Learn Python App' button is also present. The main area is a code editor with a file named 'main.py'. The code defines a function 'parabola(a, b, c)' that calculates the vertex, focus, and directrix of a parabola. The code is as follows:

```
1 def parabola(a, b, c):
2     print ("Vertex: (", (-b / (2 * a)), ", ",
3           ,(((4 * a * c) - (b * b)) / (4 * a)), ", ")
4     print ("Focus: (", (-b / (2 * a)), ", ",
5           , (((4 * a * c) - (b * b) + 1) / (4 * a)),
6           , ")")
7     print ("Directrix: y="
8           , (int)(c - ((b * b) + 1) * 4 * a))
9 # main
10 a = 5
11 b = 3
12 c = 2
13 parabola(a, b, c)
```

On the right side of the code editor, the output is displayed: 'Vertex: ( -0.3 , 1.55 )', 'Focus: ( -0.3 , 1.6 )', and 'Directrix: y= -198'. The interface includes a 'Run' button and a 'Shell' tab.