**DAILY ASSESSMENT FORMAT**

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| **Date:** | **6 august 2020** | **Name:** | **Divyashri Bahubali Samajage** |
| **Course:** | **Coursera** | **USN:** | **4AL17EC031** |
| **Topic:** | **Introduction to datascience in python** | **Semester & Section:** | **6TH SEM & ‘A’ SEC** |

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| **FORENOON SESSION DETAILS (9.00am to 1.00pm)** |
| IMAGE OF THE SESSION  1C  **REPORT OF THE SESSION**  Python is very little boiler plate code. In fact, if you just wanted to set the value of a couple of variables, and output the results of these variables added together, you could do so in three lines.  In this example, I'll write three statements. The first two set the variables x and y, each to be some integer value. Then we'll do some addition.  A common surprise for some programmers coming from a Java or C background is that  Python is a dynamically typed language, similar to languages like JavaScript. This means that when you declare a variable, you can assign it to be an integer on one line, and a string on the next line.A common surprise for some programmers coming from a Java or C background is that Python is a dynamically typed language, similar to languages like JavaScript.  This means that when you declare a variable, you can assign it to be an integer on one line, and a string on the next line.  Of course, Python has traditional software structures like functions. Here's an example, refactoring that previous code into a function. You'll see the deaf statement indicates that we're writing a function.  Then each line that is part of the function needs to be indented with a tab character or a couple of spaces.  Okay, functions are great but they're a bit different than you might find in other languages and here are some of subtleties involved.  First, since there's no typing, you don't have to set your return time. Second, you don't have to set user return statement at all actually.  There's a special value called none that's returned. None a similar to null in Java and represents the absence of value.  Third, in Python, you can have default values for parameters.  Here's an example.  In this example, we can rewrite the add numbers function to take three parameters,  but we could set the last parameter to be none by default.  This means that you can call add numbers with just two values or with three, and  you don't have to rewrite the function signature to overload it. |