**DAILY ASSESSMENT FORMAT**

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| **Date:** | **19 May 2020** | **Name:** | **Srinidhi J C** |
| **Course:** | **Python** | **USN:** | **4AL16EC078** |
| **Topic:** | **Introduction, Small basic program and data types.** | **Semester & Section:** | **8th–Sem, B-Sec** |
| **Github Repository:** | **https://github.com/alvas-education-foundation/SrinidhiJC078.git** |  |  |

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| **FORENOON SESSION DETAILS** | | | |
| **Image of session**  **A screenshot of a cell phone  Description automatically generatedA screenshot of a cell phone  Description automatically generated**   1. **Basic operations with datatypes. 2. Accessing items in dictionary.**   **A screenshot of a computer  Description automatically generated**   1. **Basic Functions and conditions.** | | | |
| **Report –**  In today’s section I have learnt that:   * Lists, strings, and tuples have a **positive index** system:   ["Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun"]  0 1 2 3 4 5 6   * And a **negative index** system:   ["Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun"]  -7 -6 -5 -4 -3 -2 -1   * In a list, the **2nd**, **3rd**, and **4th** items can be accessed with:   days = ["Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun"]  days[1:4]  Output: ['Tue', 'Wed', 'Thu']   * **First three items of a list**:   days = ["Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun"]  days[:3]  Output:['Mon', 'Tue', 'Wed']   * **Last three items of a list**:   days = ["Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun"]  days[-3:]  Output: ['Fri', 'Sat', 'Sun']   * **Everything but the last**:   days = ["Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun"]  days[:-1]  Output: ['Mon', 'Tue', 'Wed', 'Thu', 'Fri', 'Sat']   * **Everything but the last two**:   days = ["Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun"]  days[:-2]  Output: ['Mon', 'Tue', 'Wed', 'Thu', 'Fri']   * A single in a **dictionary** can be accessed using its key:   phone\_numbers = {"John Smith":"+37682929928","Marry Simpons":"+423998200919"}  phone\_numbers["Marry Simpsons"]  Output: '+423998200919'   * Define a **function**:   def cube\_volume(a):  return a \* a \* a   * Write a **conditional** block:   message = "hello there"  if "hello" in message:  print("hi")  else:  print("I don't understand")   * Write a conditional block of **multiple conditions**:   message = "hello there"  if "hello" in message:  print("hi")  elif "hi" in message:  print("hi")  elif "hey" in message:  print("hi")  else:  print("I don't understand")   * Use the and operator to check if **both conditions** are True at the same time:   x = 1  y = 1  if x == 1 and y==1:  print("Yes")  else:  print("No")  Output is Yes since both x and y are 1.   * Use the or operator to check if **at least one condition** is True:   x = 1  y = 2  if x == 1 or y==2:  print("Yes")  else:  print("No")  Output is Yes since x is 1.   * Check if a value is of a certain **type** with:   isinstance("abc", str)  isinstance([1, 2, 3], list)  or  type("abc") == str  type([1, 2, 3]) == lst | | | |
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