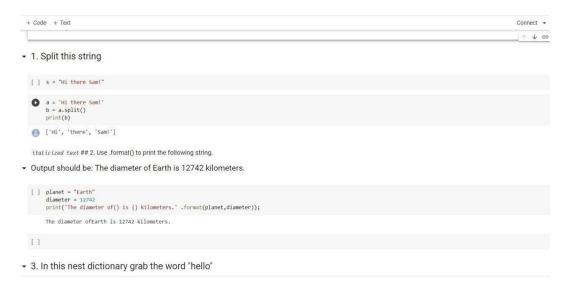
Assignment 1

Real-Time Communication System Powered by AI for Specially Abled

Student Name	MOWLIDHARAN A
Student Roll no	621319104034
Maximum Marks	2 Marks

Basics of Python:

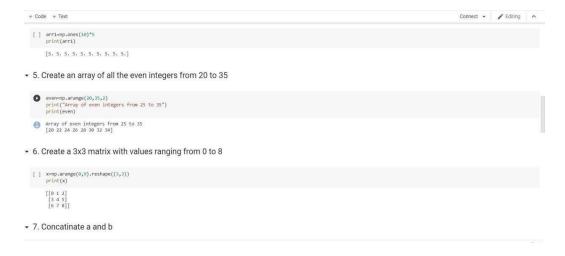
- 1. Split this string
- 2. Output should be: The diameter of Earth is 12742 kilometers
- 3. In this nest dictionary grab the word "hello"



- 4. Numpy
- 4.1 Create an array of 10 zeros?
- 4.2 Create an array of 10 fives?



- 5. Create an array of all the even integers from 20 to 35
- 6. Create a 3x3 matrix with values ranging from 0 to 8



7. Concatinate a and b a=np.array([1,2,3]),b=np.array([4,5,6])

Pandas

8. Create a dataframe with 3 rows and 2 columns

```
+ Code + Text Concatinate a and b

a = np.array([1, 2, 3]), b = np.array([4, 5, 6])

[] a=np.array([[1,2,3]]) b=np.array([[4,5,6]]) np.concatenate((a,b),axis=0)
array([[1, 2, 3], [4, 5, 0]])

Pandas

* 8. Create a dataframe with 3 rows and 2 columns

[] import pandas as pd

[] df=pd.DataFrame() print(df)
Empty DataFrame() print(df)
Empty DataFrame columns: []
Index: []
```

9. Generate the series of dates from 1st Jan,2023 to 10th Feb,2023

10. Create 2D list to DataFrame

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▼ 10. Create 2D list to DataFrame

lists = [[1, 'aaa', 22], [2, 'bbb', 25], [3, 'ccc', 24]]