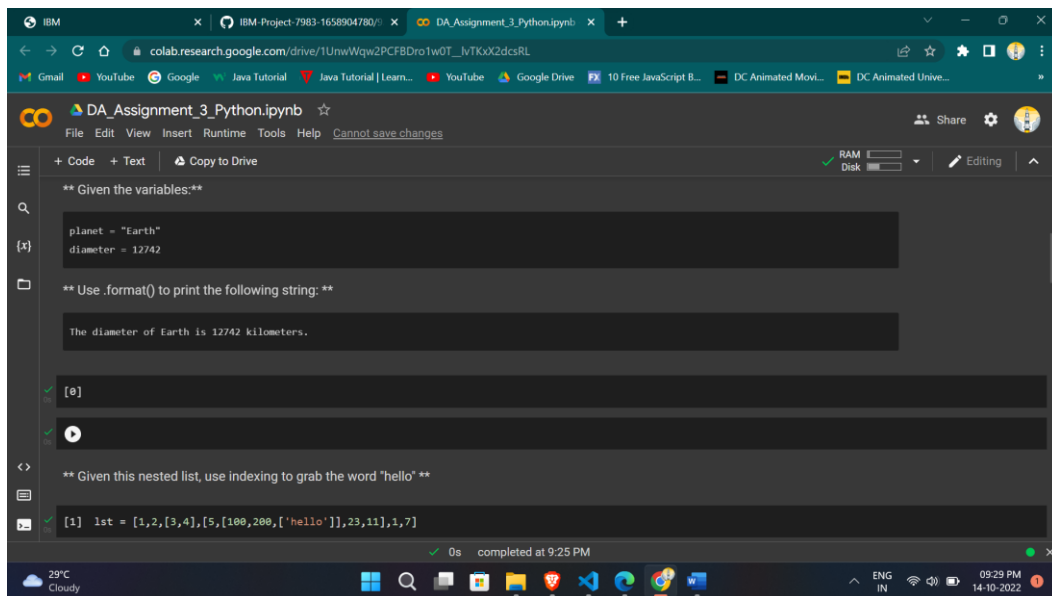


## ASSIGNMENT -3

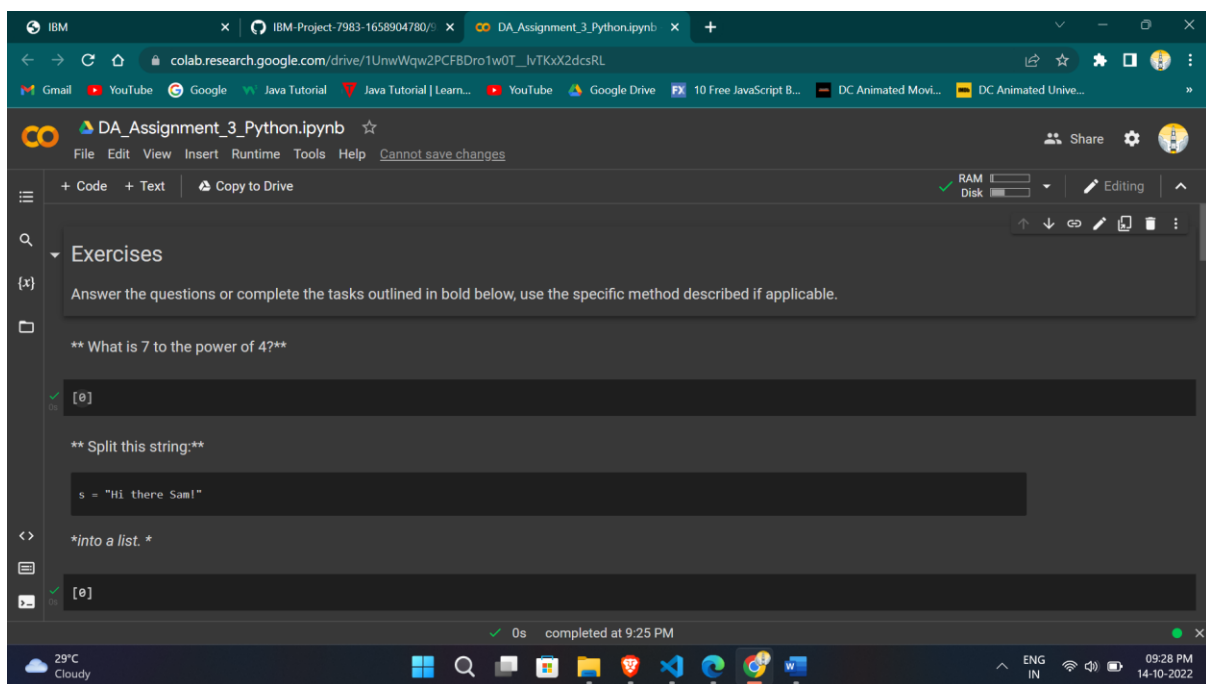
ASSIGNMENT DATE	14 OCTOBER 2022
STUDENT NAME	MAHESH RAJA S.B
STUDENT ROLL NUMBER	921319205067
MAXIMUM MARKS	2 MARKS

CHALLENGE:

TO RUN THE PYTHON PROGRAM IN THE GOOGLE COLAB PLATFORM.



The screenshot shows the Google Colab interface with a notebook titled "DA\_Assignment\_3\_Python.ipynb". The notebook contains three code cells. The first cell defines variables: `planet = "Earth"` and `diameter = 12742`. The second cell uses `.format()` to print a string: `The diameter of Earth is 12742 kilometers.`. The third cell uses indexing to grab the word 'hello' from a nested list: `lst = [1,2,[3,4],[5,[100,200,['hello']],23,11],1,7]`. The output of the third cell is `['hello']`. The interface shows the notebook is completed at 9:25 PM.



The screenshot shows the Google Colab interface with a notebook titled "DA\_Assignment\_3\_Python.ipynb". The notebook contains a section titled "Exercises" with the following text: "Answer the questions or complete the tasks outlined in bold below, use the specific method described if applicable." The first exercise is: **What is 7 to the power of 4?** The output is `[0]`. The second exercise is: **Split this string:** `s = "Hi there Sam!"` **into a list.** The output is `[0]`. The interface shows the notebook is completed at 9:25 PM.

```
[1] lst = [1,2,[3,4],[5,[100,200,['hello']],23,11],1,7]
```

```
[1]
```

**\*\* Given this nest dictionary grab the word 'hello'. Be prepared, this will be annoying/tricky \*\***

```
[2] d = {'k1':[1,2,3,{ 'tricky':['oh','man','inception',{'target':[1,2,3,'hello']}]}]}
```

```
[2]
```

**\*\* What is the main difference between a tuple and a list? \*\***

```
[2]
```

**\*\* Create a function that grabs the email website domain from a string in the form: \*\***

**\*\* Create a function that grabs the email website domain from a string in the form: \*\***

```
user@domain.com
```

So for example, passing "user@domain.com" would return: domain.com

```
[2]
```

**\*\* Create a basic function that returns True if the word 'dog' is contained in the input string. Don't worry about edge cases like a punctuation being attached to the word dog, but do account for capitalization. \*\***

```
[2]
```

```
[2]
```

```
def caught_speeding(speed, is_birthday):
    if is_birthday:
        speeding = speed - 5
    else:
        speeding = speed

    if speeding > 80:
        return 'Big Ticket'
    elif speeding > 60:
        return 'Small Ticket'
    else:
        return 'No Ticket'
```

[3]

[3]

Create an employee list with basic salary values(at least 5 values for 5 employees) and using a for loop retrieve each employee salary and calculate total salary expenditure.

[3]

**Problem**

\*You are driving a little too fast, and a police officer stops you. Write a function to return one of 3 possible results: "No ticket", "Small ticket", or "Big Ticket". If your speed is 60 or less, the result is "No Ticket". If speed is between 61 and 80 inclusive, the result is "Small Ticket". If speed is 81 or more, the result is "Big Ticket". Unless it is your birthday (encoded as a boolean value in the parameters of the function) – on your birthday, your speed can be 5 higher in all cases. \*

```
def caught_speeding(speed, is_birthday):
    if is_birthday:
        speeding = speed - 5
```

IBM

IBM-Project-7983-1658904780/

DA\_Assignment\_3\_Python.ipynb

+

colab.research.google.com/drive/1UmwWqw2PCF8Dro1w0T\_lvTKxX2dcsRL

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Java Tutorial

Java Tutorial | Learn...

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Google Drive

10 Free JavaScript B...

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DC Animated Unive...

DA\_Assignment\_3\_Python.ipynb

File

Edit

View

Insert

Runtime

Tools

Help

Cannot save changes

Share

Settings

Profile

+ Code

+ Text

Copy to Drive

RAM

Disk

Editing

[3]

0s

Create an employee list with basic salary values(at least 5 values for 5 employees) and using a for loop retrieve each employee salary and calculate total salary expenditure.

[3]

0s

Create two dictionaries in Python:  
First one to contain fields as Empid, Empname, Basicpay  
Second dictionary to contain fields as DeptName, DeptId.  
Combine both dictionaries.

[3]

0s

0s

completed at 9:25 PM

29°C

Cloudy

Windows Taskbar

ENG IN

09:30 PM

14-10-2022