

**** Given the variables:****

IBM

Colab Notebooks - Google Drive

IBM Assignment_3_Python -NEER

Upload files - IBM-EPBL/IBM-Proj

colab.research.google.com/drive/1d5w45qgJn6HRNo_sKPDqPQZ5PB-kXi3j

Gmail

YouTube

Maps

6th sem

PANIMALAR ENGIN...

IBM - My IBM - Uni...

7t sem

FABC Demand & Su...

+ Code

+ Text

Connect

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

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

```
[ ] d['k1'][3]['tricky'][3]['target'][3]
```

```
'hello'
```

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

```
[ ] #The main difference between a tuple and a list is that
[ ] # Tuple is immutable and List is mutable
```

** 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

```
[ ] def domainGet(email):
[ ]     return email.split('@')[-1]
```

```
[ ] domainGet('user@domain.com')
```

```
'domain.com'
```

Windows Taskbar

System Tray

IBM

Colab Notebooks - Google Drive

IBM Assignment_3_Python -NEER

Upload files - IBM-EPBL/IBM-Proj

colab.research.google.com/drive/1d5w45qgJn6HRNo_sKPDqPQZ5PB-kXi3j

Gmail YouTube Maps 6th sem PANIMALAR ENGIN... IBM - My IBM - Uni... 7t sem FABC Demand & Su...

+ Code + Text

Connect

** 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. **

[] def findDog(st):
 return 'dog' in st.lower().split()

[] findDog('Is there a dog here?')

True

** Create a function that counts the number of times the word "dog" occurs in a string. Again ignore edge cases. **

[] def countDog(st):
 count = 0
 for word in st.lower().split():
 if word == 'dog':
 count += 1
 return count

[] countDog('This dog runs faster than the other dog dude!')

2

<>

▼ 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

Windows Taskbar

System Tray

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

```
[ ] caught_speeding(81, False)
```

```
[ ] caught_speeding(81,True)
```

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.

```
[ ] a=[100000,50000,65000,30000,25000]
print("Saleries of 5 Employees:",a)
total = 0
for n in a:
    total += n
print ("Total Pay: ", total)
```

```
Salaries of 5 Employees: [100000, 50000, 65000, 30000, 25000]
Total Pay: 270000
```

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.

```
[ ] dict1 = {"Empid":181,"Empname":"Razz", "Basicpay":10000}
dict2 = {"DeptName":"HR","DeptId":10011}
print(dict1)
print(dict2)
dict1.update(dict2)
print(dict1)
```

```
{'Empid': 181, 'Empname': 'Razz', 'Basicpay': 10000}
{'DeptName': 'HR', 'DeptId': 10011}
{'Empid': 181, 'Empname': 'Razz', 'Basicpay': 10000, 'DeptName': 'HR', 'DeptId': 10011}
```