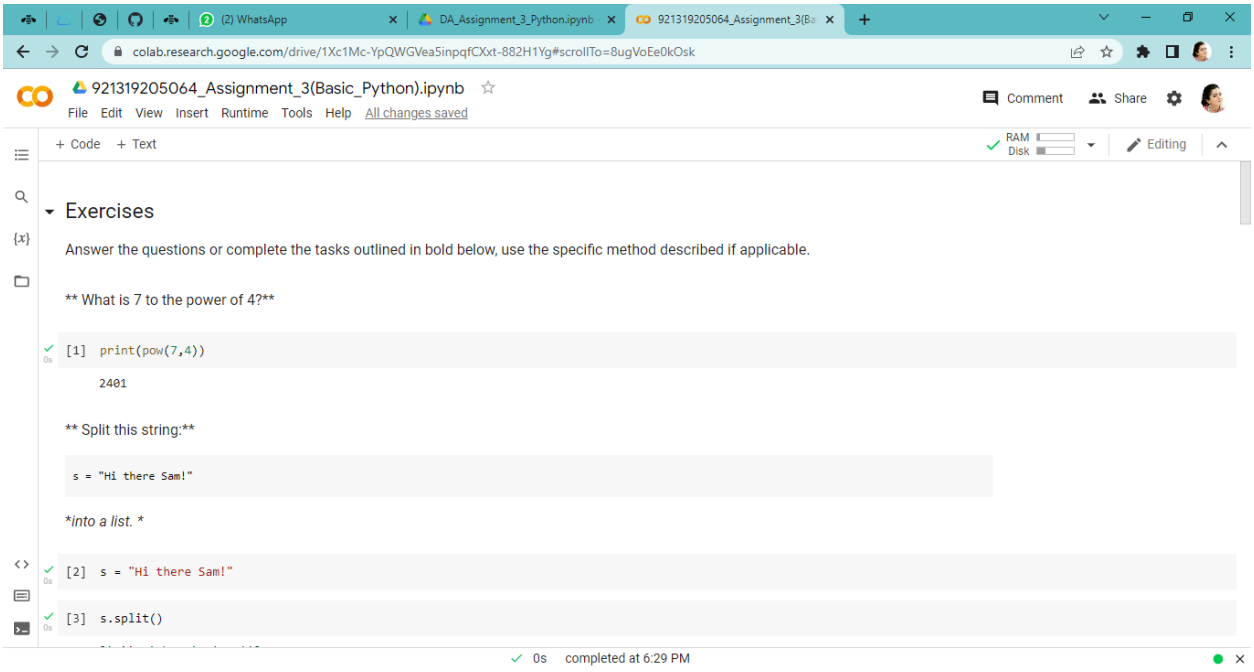
Assignment -3

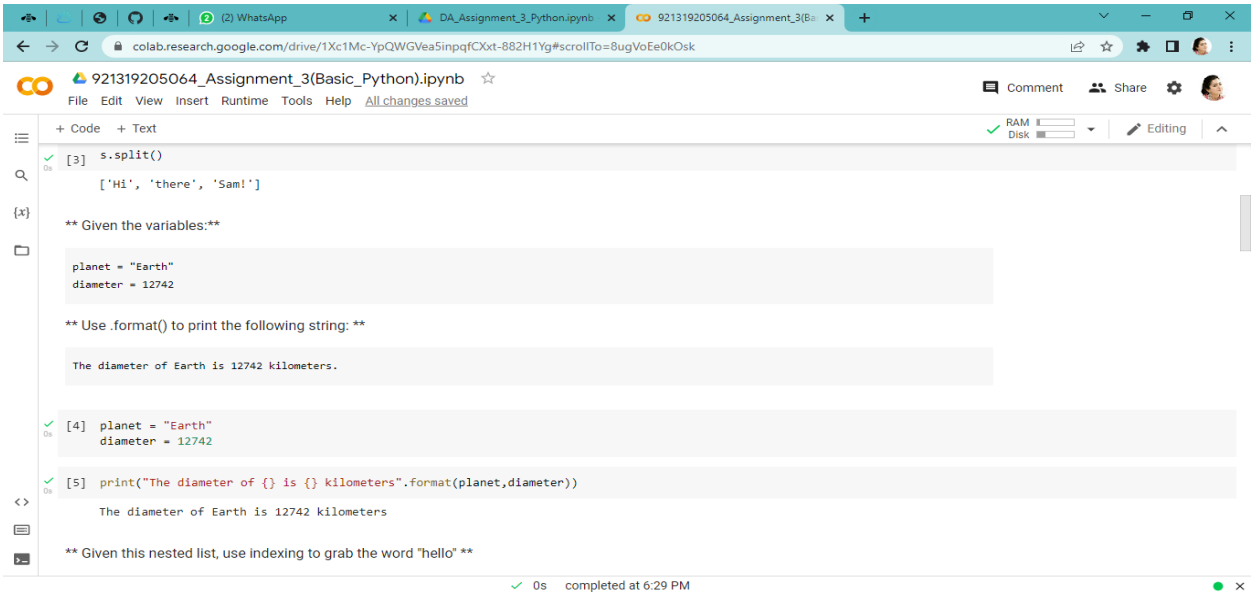
Python Programming

Assignment Date	11 October 2022
Student Name	Krishna Rajkumar S
Student Roll Number	921319205064
Maximum Marks	2 Marks

Challenge:

To run the python program on google colab.

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[3] s.split()
['Hi', 'there', 'Sam!']
** Given the variables:**
planet = "Earth"
diameter = 12742
** Use .format() to print the following string: **
The diameter of Earth is 12742 kilometers.
[4] planet = "Earth"
diameter = 12742
[5] print("The diameter of {} is {} kilometers".format(planet,diameter))
The diameter of Earth is 12742 kilometers
** Given this nested list, use indexing to grab the word "hello" **
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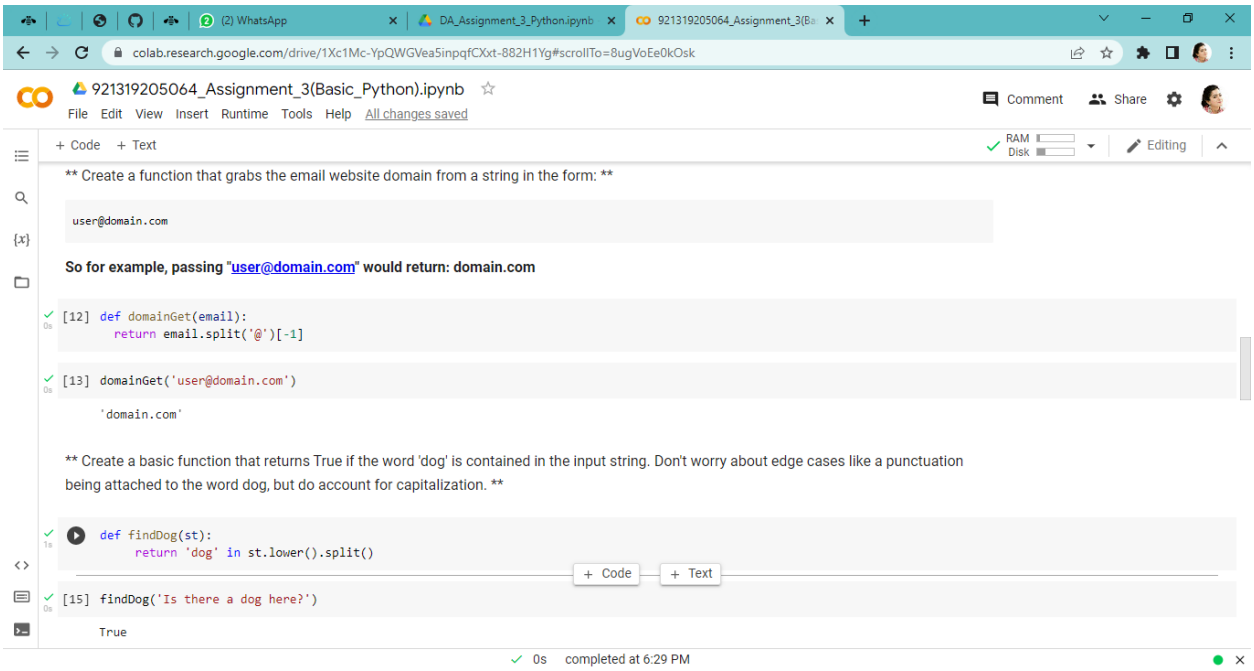
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** Create a function that grabs the email website domain from a string in the form: **
user@domain.com
So for example, passing "user@domain.com" would return: domain.com
[12] def domainGet(email):
return email.split('@')[-1]
[13] domainGet('user@domain.com')
'domain.com'
** 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()
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[15] findDog('Is there a dog here?')
True
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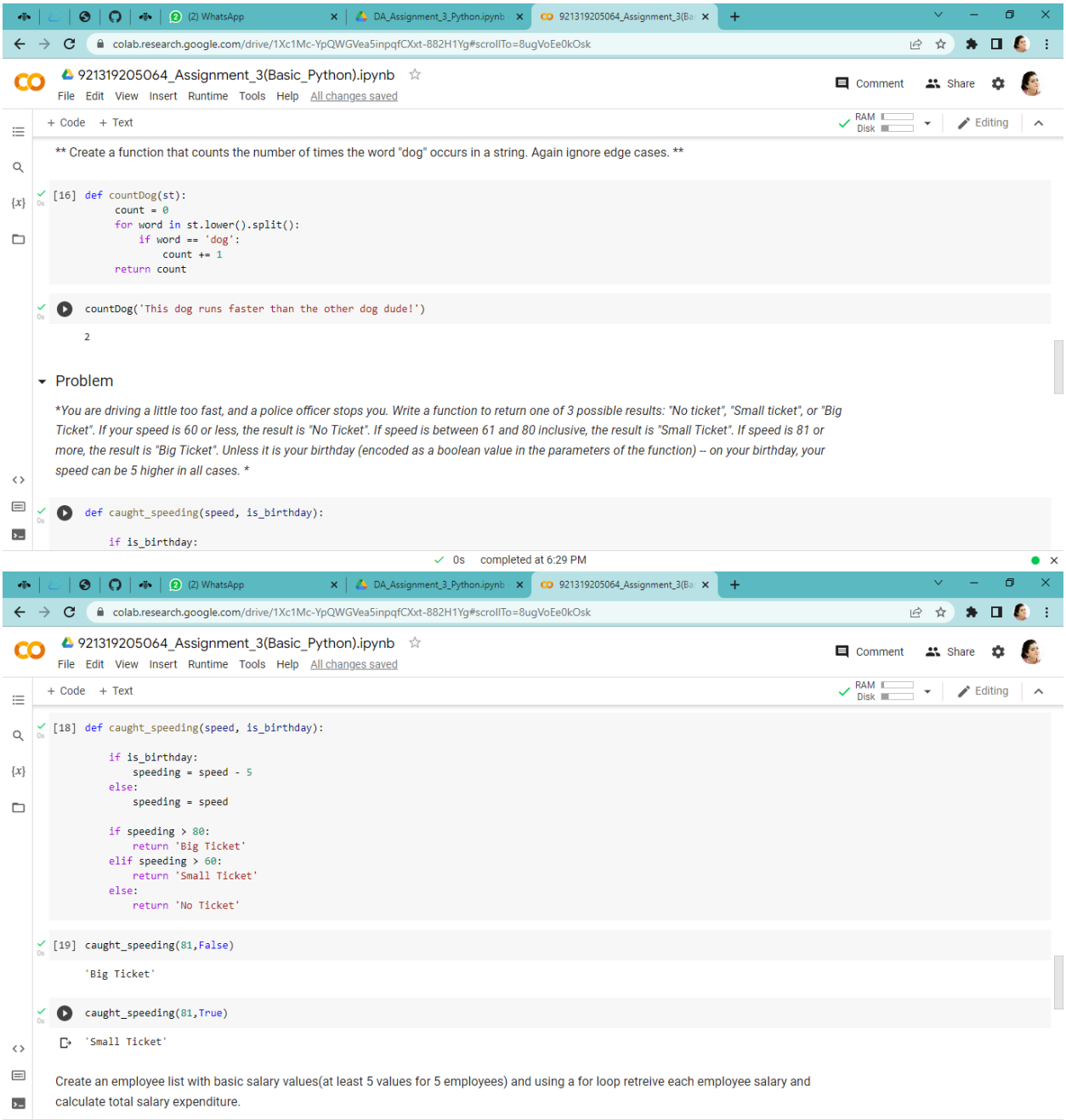

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** Create a function that counts the number of times the word "dog" occurs in a string. Again ignore edge cases. **

```
[16] 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 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:
```

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```
[18] 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'
```

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

```
'Big Ticket'
```

```
caught_speeding(81,True)
```

```
'Small Ticket'
```

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

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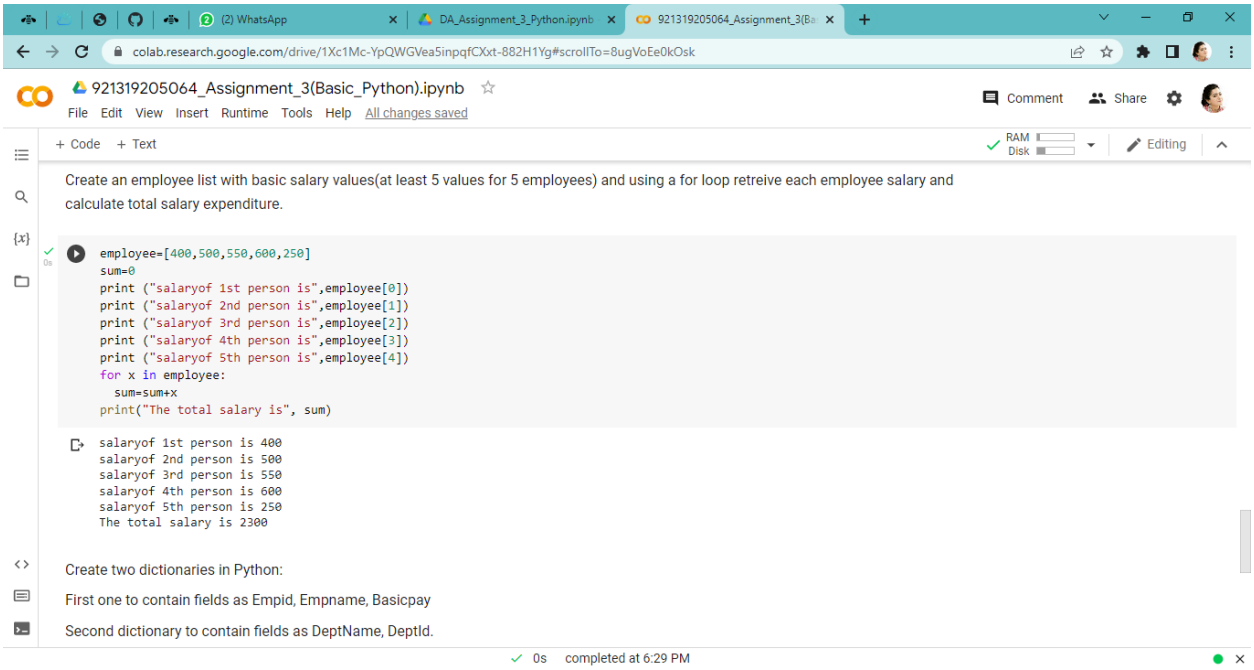
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Create an employee list with basic salary values(at least 5 values for 5 employees) and using a for loop retreive each employee salary and calculate total salary expenditure.
employee=[400,500,550,600,250]
sum=0
print ("salaryof 1st person is",employee[0])
print ("salaryof 2nd person is",employee[1])
print ("salaryof 3rd person is",employee[2])
print ("salaryof 4th person is",employee[3])
print ("salaryof 5th person is",employee[4])
for x in employee:
sum=sum+x
print("The total salary is", sum)
salaryof 1st person is 400
salaryof 2nd person is 500
salaryof 3rd person is 550
salaryof 4th person is 600
salaryof 5th person is 250
The total salary is 2300
Create two dictionaries in Python:
First one to contain fields as Empid, Empname, Basicpay
Second dictionary to contain fields as DeptName, DeptId.
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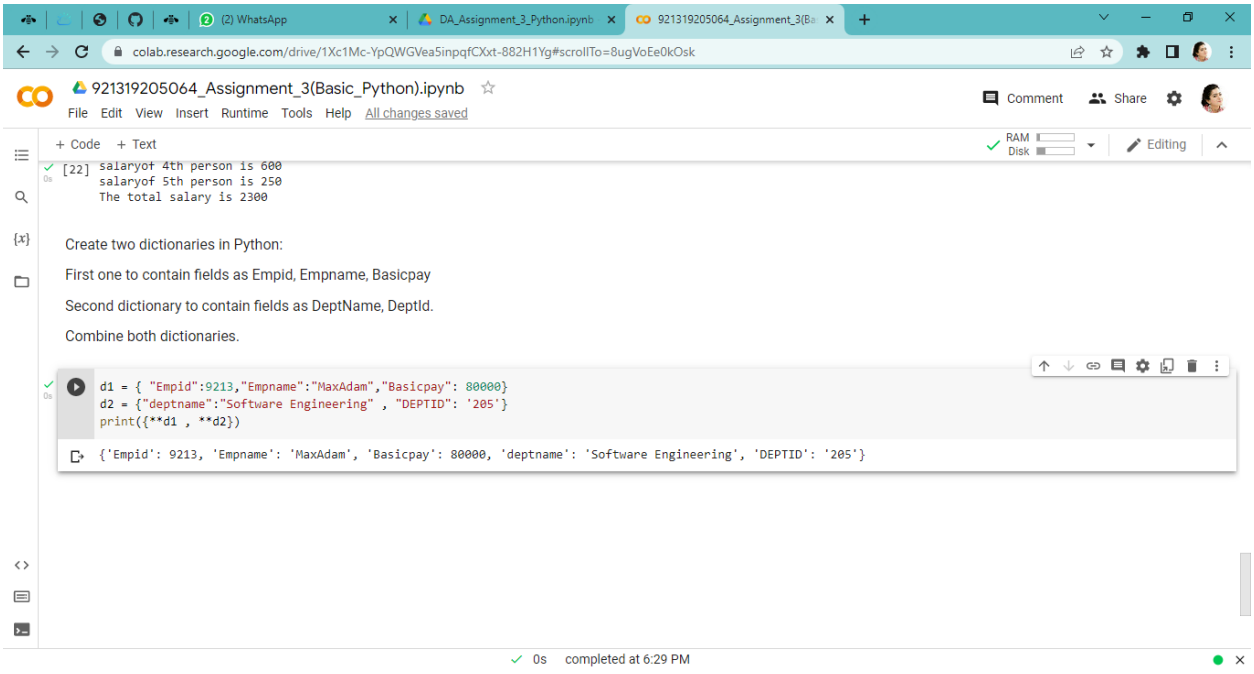
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[22] salaryof 4th person is 600
salaryof 5th person is 250
The total salary is 2300
Create two dictionaries in Python:
First one to contain fields as Empid, Empname, Basicpay
Second dictionary to contain fields as DeptName, DeptId.
Combine both dictionaries.
d1 = { "Empid":9213,"Empname":"MaxAdam","Basicpay": 80000}
d2 = {"deptname":"Software Engineering" , "DEPTID": '205'}
print({**d1 , **d2})
{'Empid': 9213, 'Empname': 'MaxAdam', 'Basicpay': 80000, 'deptname': 'Software Engineering', 'DEPTID': '205'}
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