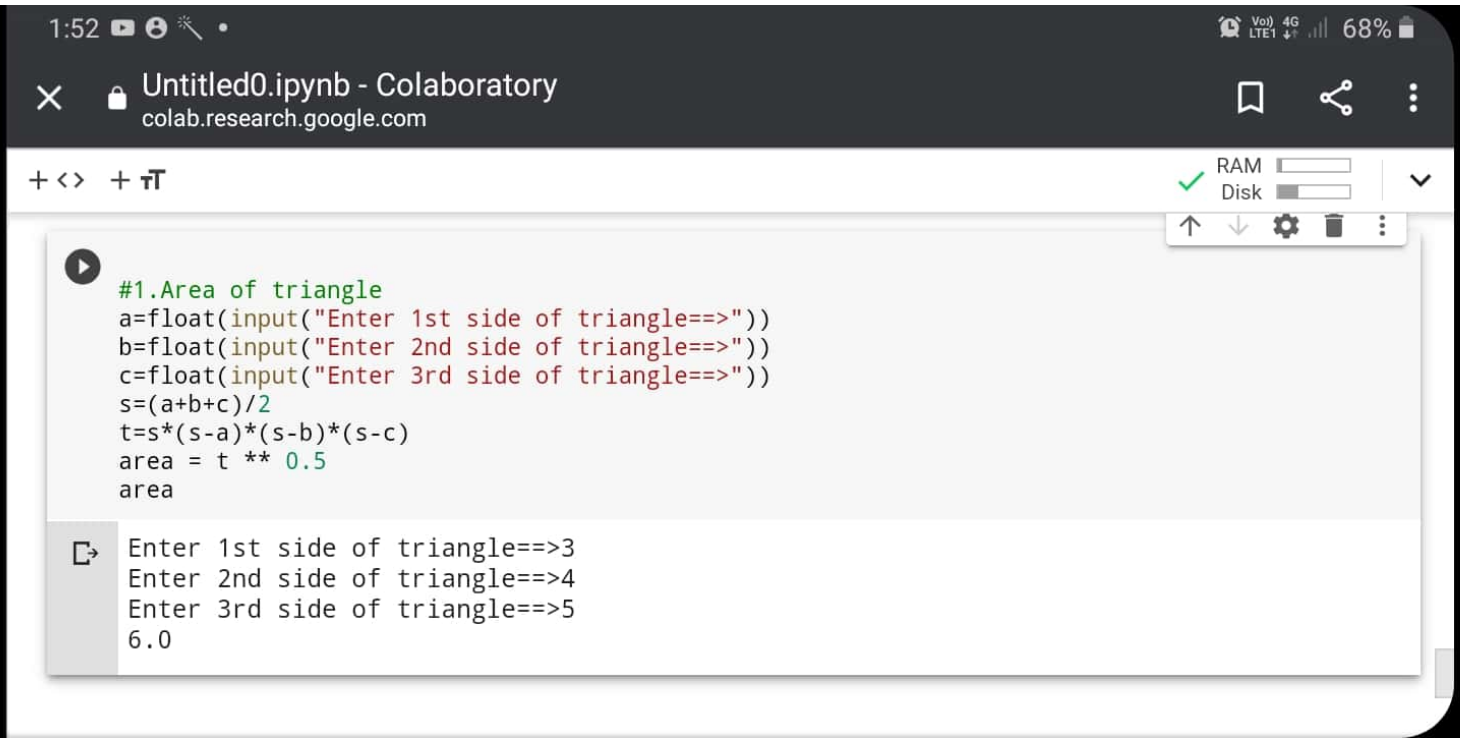


Untitled4.ipynb

S

RAM
Disk

```
[ ] #2.string palindrome or not
    str=input("Enter string:")
    rev=reversed(str)
    if list(str)==list(rev):
        print("Given string is palindrome")
    else:
        print("Given string is not palindrom
```

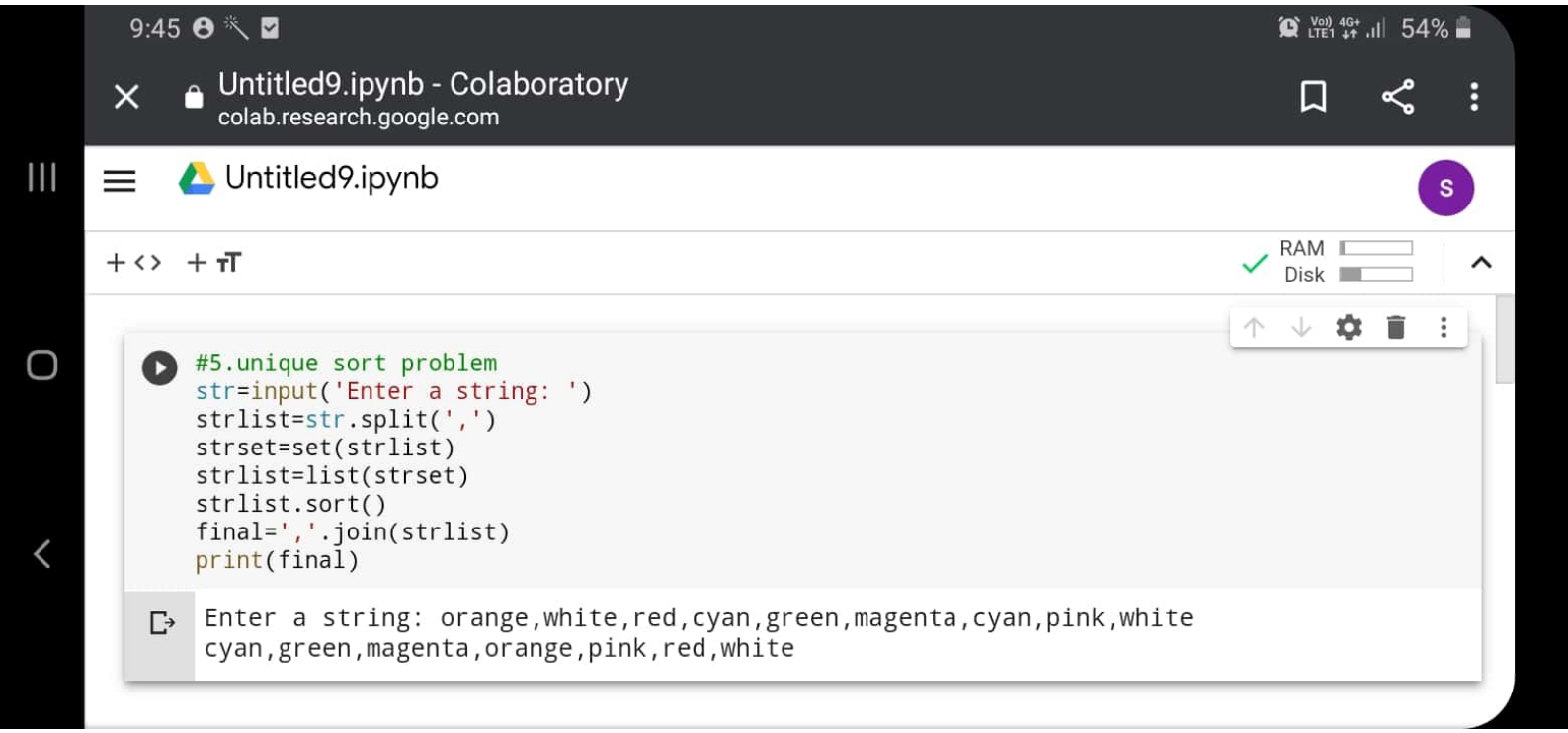
```
Enter string:madam
Given string is palindrome
```

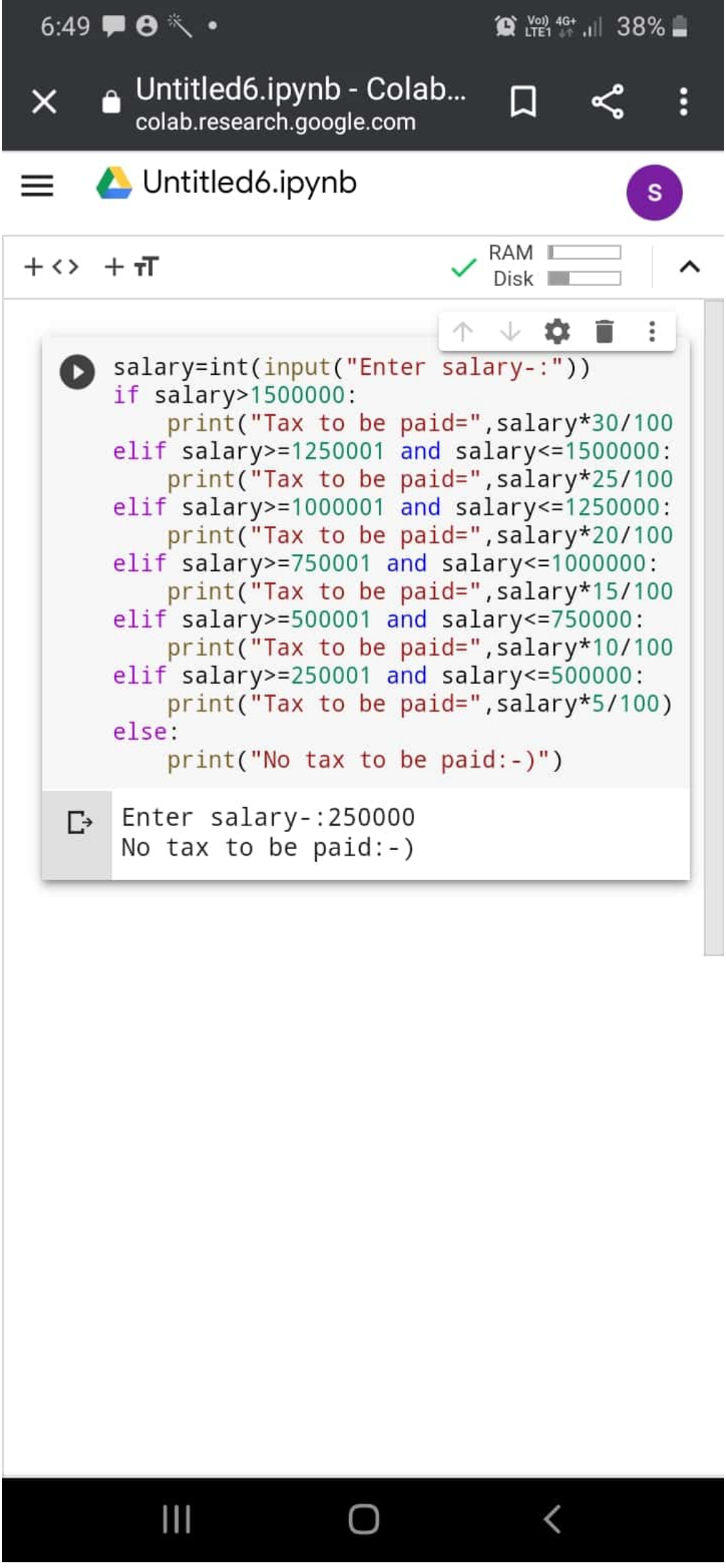
```
[45] #3.check whether the given year leap yea
    year=int(input("Enter year==>"))
    if year%4==0 and year%100!=0 or year%400
          print ("leap year : ",year)
    else:
          print("not a leap year: ",year)
```

```
Enter year==>2020
leap year :  2020
```

```
#4.replace space with hyphen
str="Welcome to python programming classe
str=str.replace(' ','-')
str
```

```
'Welcome-to-python-programming-classe
s'
```





6:49 38%

Untitled6.ipynb - Colab...
colab.research.google.com

Untitled6.ipynb

S

RAM
Disk

```
salary=int(input("Enter salary-:"))
if salary>1500000:
    print("Tax to be paid=",salary*30/100
elif salary>=1250001 and salary<=1500000:
    print("Tax to be paid=",salary*25/100
elif salary>=1000001 and salary<=1250000:
    print("Tax to be paid=",salary*20/100
elif salary>=750001 and salary<=1000000:
    print("Tax to be paid=",salary*15/100
elif salary>=500001 and salary<=750000:
    print("Tax to be paid=",salary*10/100
elif salary>=250001 and salary<=500000:
    print("Tax to be paid=",salary*5/100)
else:
    print("No tax to be paid:-)")
```

```
Enter salary-:250000
No tax to be paid:-)
```

Untitled6.ipynb

S

RAM
Disk

[6]

```
#6.tax calculator
salary=int(input("Enter salary-:"))
if salary>1500000:
    print("Tax to be paid=",salary*30/100
elif salary>=1250001 and salary<=1500000:
    print("Tax to be paid=",salary*25/100
elif salary>=1000001 and salary<=1250000:
    print("Tax to be paid=",salary*20/100
elif salary>=750001 and salary<=1000000:
    print("Tax to be paid=",salary*15/100
elif salary>=500001 and salary<=750000:
    print("Tax to be paid=",salary*10/100
elif salary>=250001 and salary<=500000:
    print("Tax to be paid=",salary*5/100)
else:
    print("No tax to be paid:-)")
```

```
Enter salary-:750000
Tax to be paid= 75000.0
```

```
#7.elements in list to one number
list=[11,33,22]
for i in list:
  print(i,end='')
```

```
113322
```

Untitled7.ipynb

S

RAM
Disk

```
[ ]
#8.units of time
days=int(input("enter no. of days"))
hours=int(input("enter no. of hours"))
minutes=int(input("Enter minutes"))
seconds=int(input("Enter seconds"))
tot=seconds+minutes*60+hours*3600+days*2
print("total seconds=",tot)
```

```
enter no. of days1
enter no. of hours2
Enter minutes4
Enter seconds0
total seconds= 93840
```

```
#9.max and min functions
a=int(input("Enter 1st number:"))
b=int(input("Enter 2nd number:"))
c=int(input("Enter 3rd number:"))
print("maximum number=",max(a,b,c))
print("minimum number=",min(a,b,c))
```

```
Enter 1st number:5
Enter 2nd number:2
Enter 3rd number:0
maximum number= 5
minimum number= 0
```

```
#10.succesive date month year
y=int(input("Enter year YYYY:"))
m=int(input("Enter month MM:"))
d=int(input("Enter date DD:"))
0<m<13
0<d<32
if d==31 and m==12 :
   print ("YYYY-MM-DD : {}-01-01".format
elif (d==31and (m==1 or 3 or 5 or 7 or 8
   print ("YYYY-MM-DD : {}-{} 01".format
elif ( d==30 and ( m==4 or 6 or 9 or 11)
   print("YYYY-MM-DD : {}-{}-01".format(
elif ( d==28 and m==2 and y%4==0):
   print ("YYYY-MM-DD : {}-{}-29".format
elif(d==28 and m==2):
   print ("YYYY-MM-DD : {}-03-01".format
else :
  print ("YYYY-MM-DD : {}-{}-{}".format(
```

```
Enter year YYYY:2001
Enter month MM:10
Enter date DD:27
YYYY-MM-DD : 2001-10-28
```

Untitled8.ipynb

S

RAM
Disk

```
[ ] #11.product of list of numbers
    def product(nums):
        fact=1
        for i in nums:
            fact=fact*i
        return fact
    list=[45,3,2,89,72,1,10,7]
    print("out_list:",product(list))
```

```
out_list: 121111200
```

```
#12.convert (5,6,8,34,89,1) to [11,14,42,
list=[]
tup=(5,6,8,34,89,1)
a=tup[0]
b=tup[1]
c=tup[2]
d=tup[3]
e=tup[4]
f=tup[5]
list.extend([a+b,b+c,c+d,d+e,e+f])
list
```

```
[11, 14, 42, 123, 90]
```

```
[ ] #13.convert (5,6,8,3,9,1) to[5,30,240,720
    list=[]
    tup=(5,6,8,3,9,1)
    a=tup[0]
    b=tup[1]
    c=tup[2]
    d=tup[3]
    e=tup[4]
    f=tup[5]
    list.extend([a,b*a,c*b*a,d*c*b*a,e*d*c*b*
    list
```

```
[5, 30, 240, 720, 6480, 6480]
```

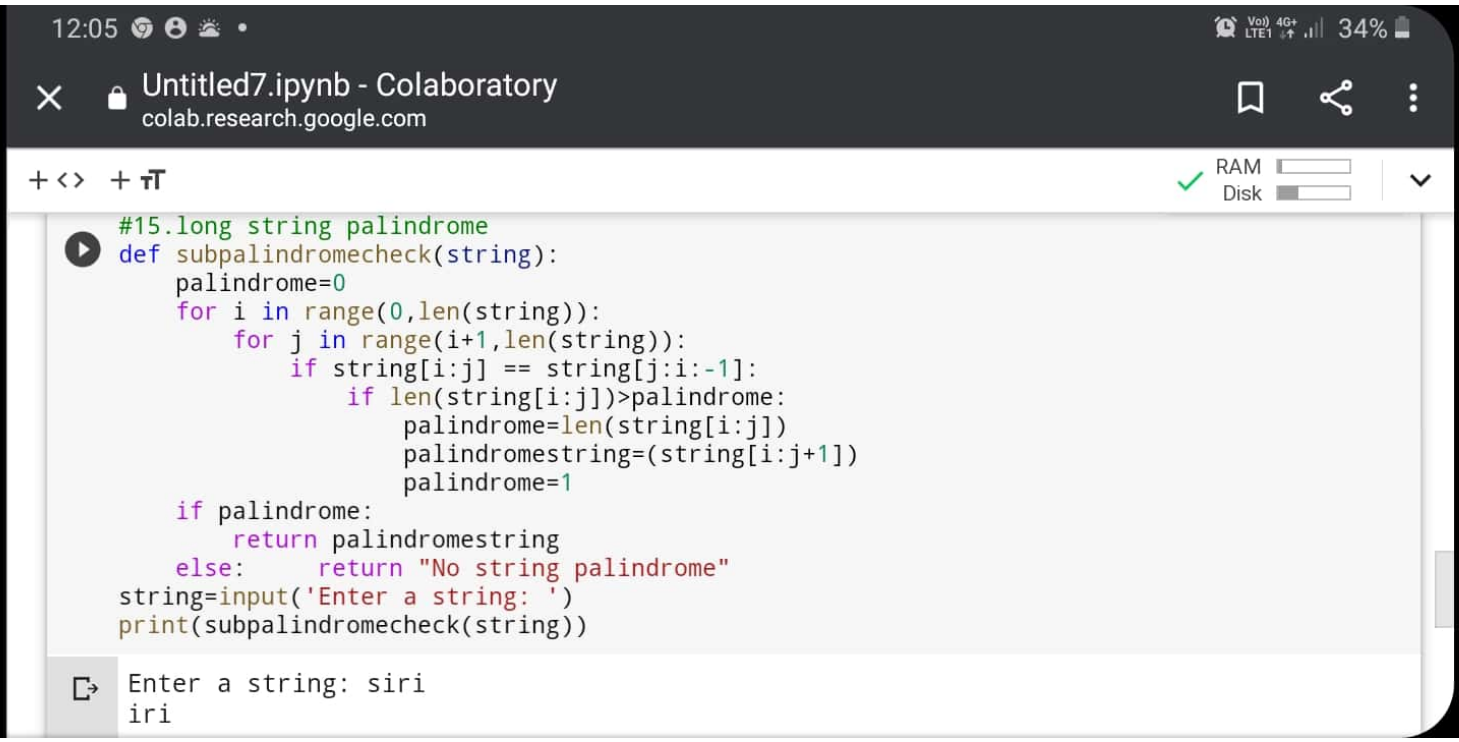
Untitled8.ipynb


```
[ ] list
```

```
[5, 30, 240, 720, 6480, 6480]
```

```
[ ] #14.number to list
    num=536789
    list=[]
    while(num>0):
        r=num%10
        list.append(r)
        num=num//10
    list[::-1]
```

```
[5, 3, 6, 7, 8, 9]
```



```
#16.substring check
a=input("enter 1st binary number ==>")
b=input("enter 2nd binary number==>")
c=0
for i in range(0,len(a)):
     if a[i:i+len(b)]==b:
        c=c+1
if c==0:
    print("b is not substring of a")
else:
    print("b is substring of a")
```

```
enter 1st binary number ==>9951164635
enter 2nd binary number==>64635
b is substring of a
```