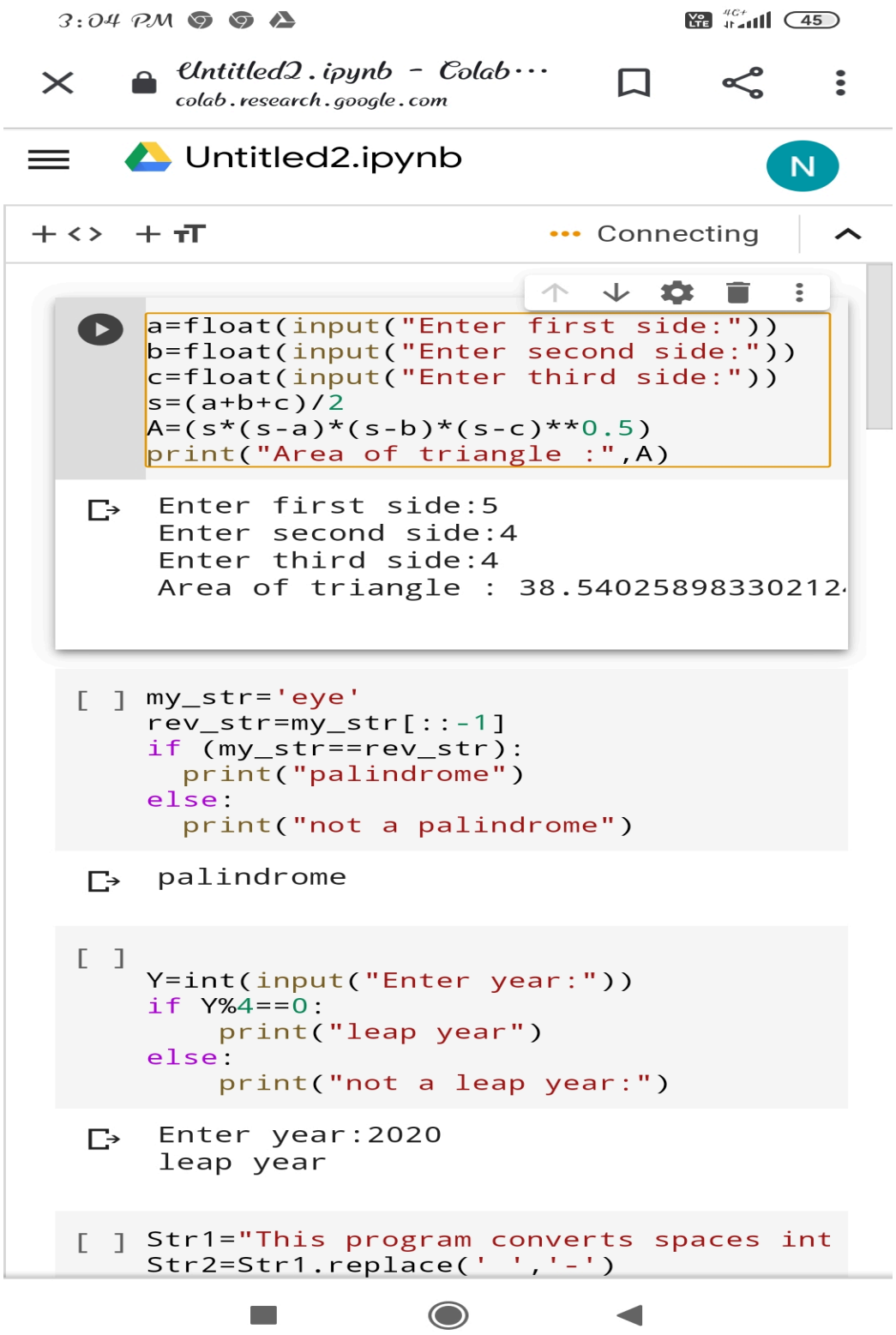

3:04 PM
Untitled2.ipynb - Colab...
colab.research.google.com
Untitled2.ipynb
N
Connecting
a=float(input("Enter first side:"))
b=float(input("Enter second side:"))
c=float(input("Enter third side:"))
s=(a+b+c)/2
A=(s*(s-a)*(s-b)*(s-c)**0.5)
print("Area of triangle :",A)
Enter first side:5
Enter second side:4
Enter third side:4
Area of triangle : 38.54025898330212
[ ] my_str='eye'
rev_str=my_str[::-1]
if (my_str==rev_str):
print("palindrome")
else:
print("not a palindrome")
palindrome
[ ]
Y=int(input("Enter year:"))
if Y%4==0:
print("leap year")
else:
print("not a leap year:")
Enter year:2020
leap year
[ ] Str1="This program converts spaces int
Str2=Str1.replace(' ','-')

```
[ ] Str1="This program converts spaces int
    Str2=Str1.replace(' ','-')
    Str2
```

```
'This-program-converts-spaces-into-h
ypen'
```

```
[ ] def rearrange(str):
        str_list=str.split(',')
        str_set=set(str_list)
        str_list=list(str_set)
        str_list.sort()
        str=','.join(str_list)
        return str
    str=input("Enter a string :")
    print(rearrange(str))
```

```
Enter a string :Hai, hello, thi, tha
 hello, that, thi,Hai
```

```
[ ] sal=int(input("Enter total salary:"))
    if sal<=250000:
       print("no tax")
    elif 250001<=sal<=500000:
       print("tax=",sal*.05)
    elif 500001<=sal<=750000:
       print("tax=",sal*.10)
    elif 750001<=sal<=1000000:
       print("tax=",sal*.15)
    elif 1000001<=sal<=1250000:
       print("tax=",sal*.20)
    elif 1250001<=sal<=1500000:
       print("tax=",sal*.25)
    else:
       print("tax=",sal*.30)
```

```
[ ] sal=int(input("Enter total salary:"))
    if sal<=250000:
       print("no tax")
    elif 250001<=sal<=500000:
       print("tax=",sal*.05)
    elif 500001<=sal<=750000:
       print("tax=",sal*.10)
    elif 750001<=sal<=1000000:
       print("tax=",sal*.15)
    elif 1000001<=sal<=1250000:
       print("tax=",sal*.20)
    elif 1250001<=sal<=1500000:
       print("tax=",sal*.25)
    else:
       print("tax=",sal*.30)
```

```
Enter total salary:500000
tax= 25000.0
```

```
[ ] Lst=[11,33,50]
    for i in Lst:
      print(i,end='')
```

```
113350
```

```
[ ]
```

```
[ ] Days=int(input("Enter numbers of days:
    Hours=int(input("Enter number of hours
    Min=int(input("Enter number of minutes
    Sec=int(input("Enter number of seconds
    Totalsec=Days+Hours+Min+Sec
    print("Total number of seconds :",Tota
```

```
Enter numbers of days:8
```

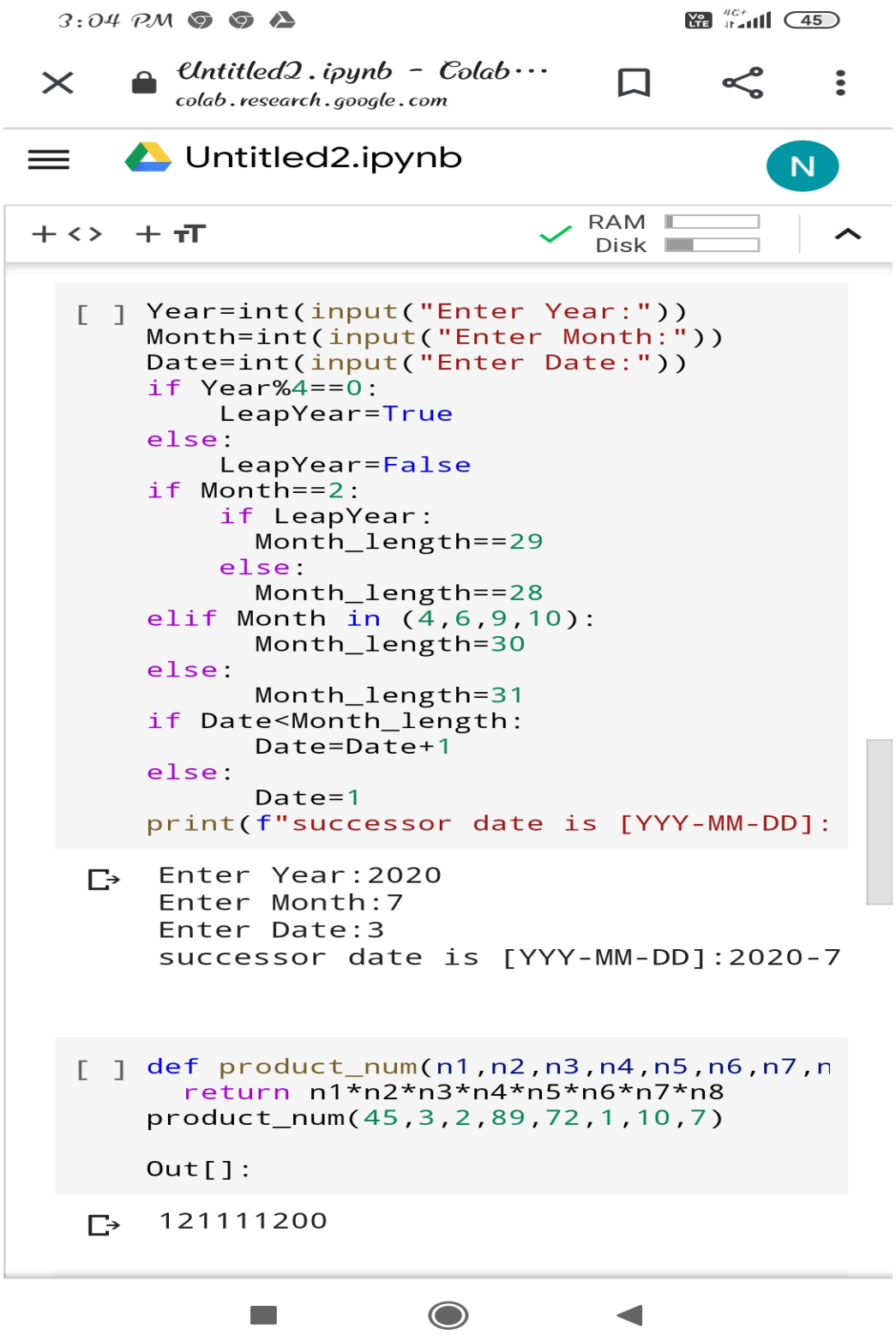
```
[ ] Days=int(input("Enter numbers of days:
    Hours=int(input("Enter number of hours
    Min=int(input("Enter number of minutes
    Sec=int(input("Enter number of seconds
    Totalsec=Days+Hours+Min+Sec
    print("Total number of seconds :",Tota
```

```
Enter numbers of days:8
Enter number of hours:8
Enter number of minutes:6
Enter number of seconds :2
Total number of seconds : 720480
```

```
[ ] print("Maximum of 12,2,5 is:",end=" ")
    print(max(12,2,5))
    print("Minimum of 12,2,5 is:",end=" ")
    print(min(12,2,5))
```

```
Maximum of 12,2,5 is: 12
Minimum of 12,2,5 is: 2
```

```
[ ] Year=int(input("Enter Year:"))
    Month=int(input("Enter Month:"))
    Date=int(input("Enter Date:"))
    if Year%4==0:
        LeapYear=True
    else:
        LeapYear=False
    if Month==2:
        if LeapYear:
          Month_length==29
        else:
          Month_length==28
    elif Month in (4,6,9,10):
          Month_length=30
    else:
```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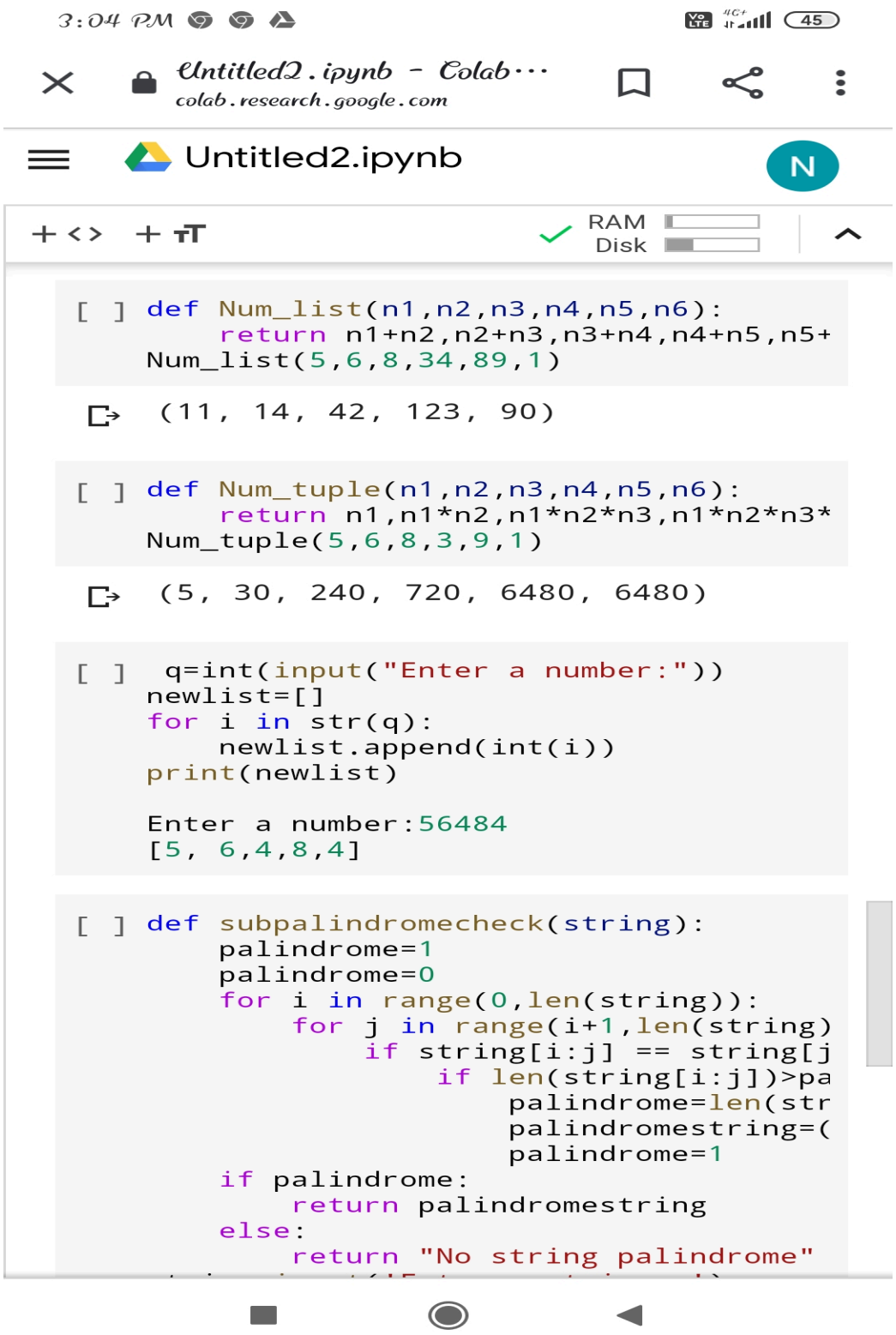
Untitled2.ipynb
N
RAM
Disk
[ ] Year=int(input("Enter Year:"))
Month=int(input("Enter Month:"))
Date=int(input("Enter Date:"))
if Year%4==0:
LeapYear=True
else:
LeapYear=False
if Month==2:
if LeapYear:
Month_length==29
else:
Month_length==28
elif Month in (4,6,9,10):
Month_length=30
else:
Month_length=31
if Date<Month_length:
Date=Date+1
else:
Date=1
print(f"successor date is [YYY-MM-DD]:
Enter Year:2020
Enter Month:7
Enter Date:3
successor date is [YYY-MM-DD]:2020-7
[ ] def product_num(n1,n2,n3,n4,n5,n6,n7,n
return n1*n2*n3*n4*n5*n6*n7*n8
product_num(45,3,2,89,72,1,10,7)
Out[]:
121111200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Untitled2.ipynb - Colab...
colab.research.google.com
Untitled2.ipynb
N
RAM
Disk
[ ] def Num_list(n1,n2,n3,n4,n5,n6):
return n1+n2,n2+n3,n3+n4,n4+n5,n5+
Num_list(5,6,8,34,89,1)
(11, 14, 42, 123, 90)
[ ] def Num_tuple(n1,n2,n3,n4,n5,n6):
return n1,n1*n2,n1*n2*n3,n1*n2*n3*
Num_tuple(5,6,8,3,9,1)
(5, 30, 240, 720, 6480, 6480)
[ ] q=int(input("Enter a number:"))
newlist=[]
for i in str(q):
newlist.append(int(i))
print(newlist)
Enter a number:56484
[5, 6,4,8,4]
[ ] def subpalindromecheck(string):
palindrome=1
palindrome=0
for i in range(0,len(string)):
for j in range(i+1,len(string)
if string[i:j] == string[j
if len(string[i:j])>pa
palindrome=len(str
palindromestring=(
palindrome=1
if palindrome:
return palindromestring
else:
return "No string palindrome"

```
[ ] def subpalindromecheck(string):
        palindrome=1
        palindrome=0
        for i in range(0,len(string)):
            for j in range(i+1,len(string)
                if string[i:j] == string[j
                    if len(string[i:j])>pa
                        palindrome=len(str
                        palindromestring=(
                        palindrome=1
        if palindrome:
            return palindromestring
        else:
            return "No string palindrome"
    string=input('Enter a string: ')
    print(subpalindromecheck(string))
```

```
Enter a string: Nagasri
aga
```

```
[ ] def substringcheck(str1,str2):
        str1len=len(str1)
        test=0
        for i in range(0,str1len):
            if str1[i:i+len(str2)]==str2:
                test=1
        return test
    a=input('Enter a binary number a: ')
    b=input('Enter another binary number b
    if substringcheck(a,b):
        print('b is a substring of a')
    else:
        print('b is not a substring of a')
```

```
Enter a binary number a: 101101
Enter another binary number b: 1010
```

```
            return "No string palindrome"
[ ] string=input('Enter a string: ')
    print(subpalindromecheck(string))
```

```
Enter a string: Nagasri
aga
```

```
[ ] def substringcheck(str1,str2):
        str1len=len(str1)
        test=0
        for i in range(0,str1len):
            if str1[i:i+len(str2)]==str2:
                test=1
        return test
    a=input('Enter a binary number a: ')
    b=input('Enter another binary number b
    if substringcheck(a,b):
        print('b is a substring of a')
    else:
        print('b is not a substring of a')
```

```
Enter a binary number a: 101101
Enter another binary number b: 1010
b is not a substring of a
```