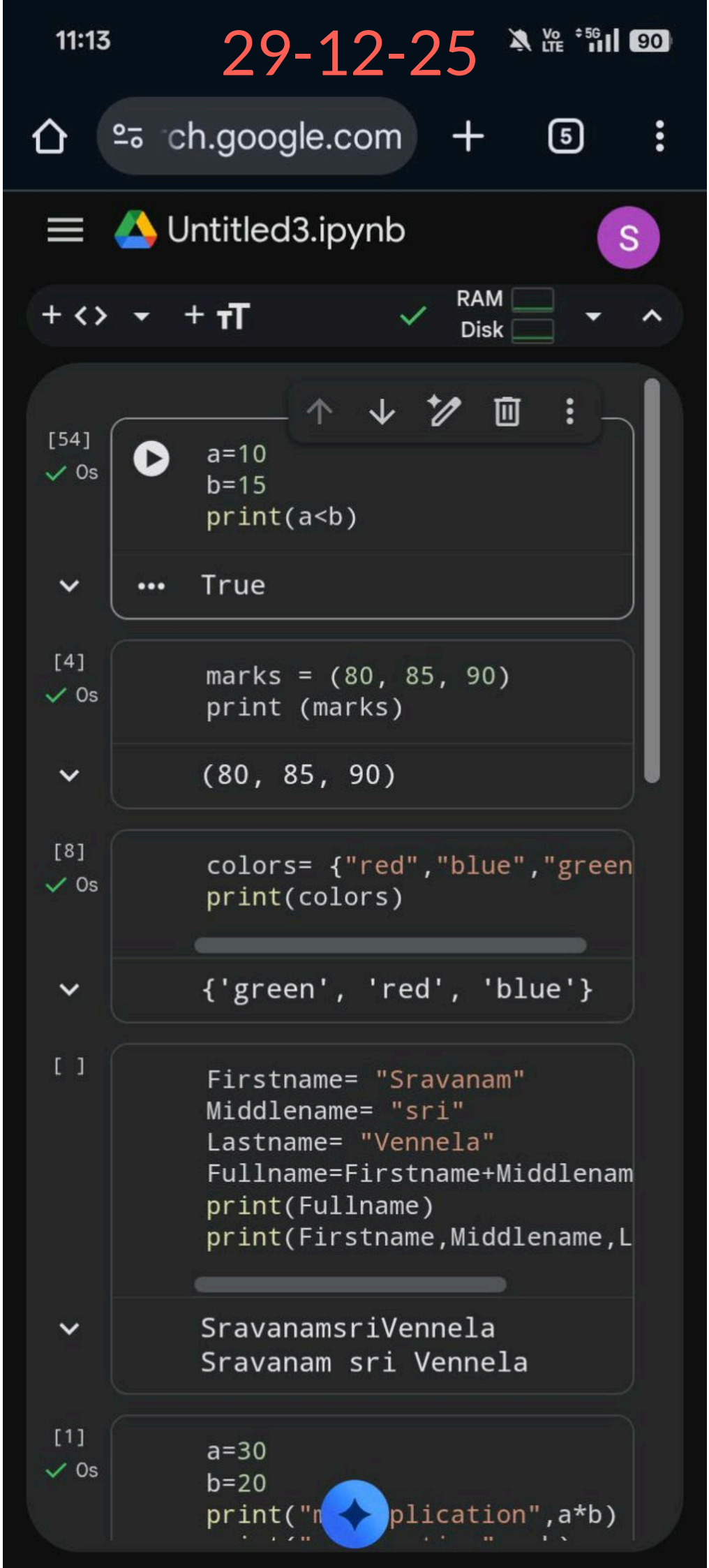
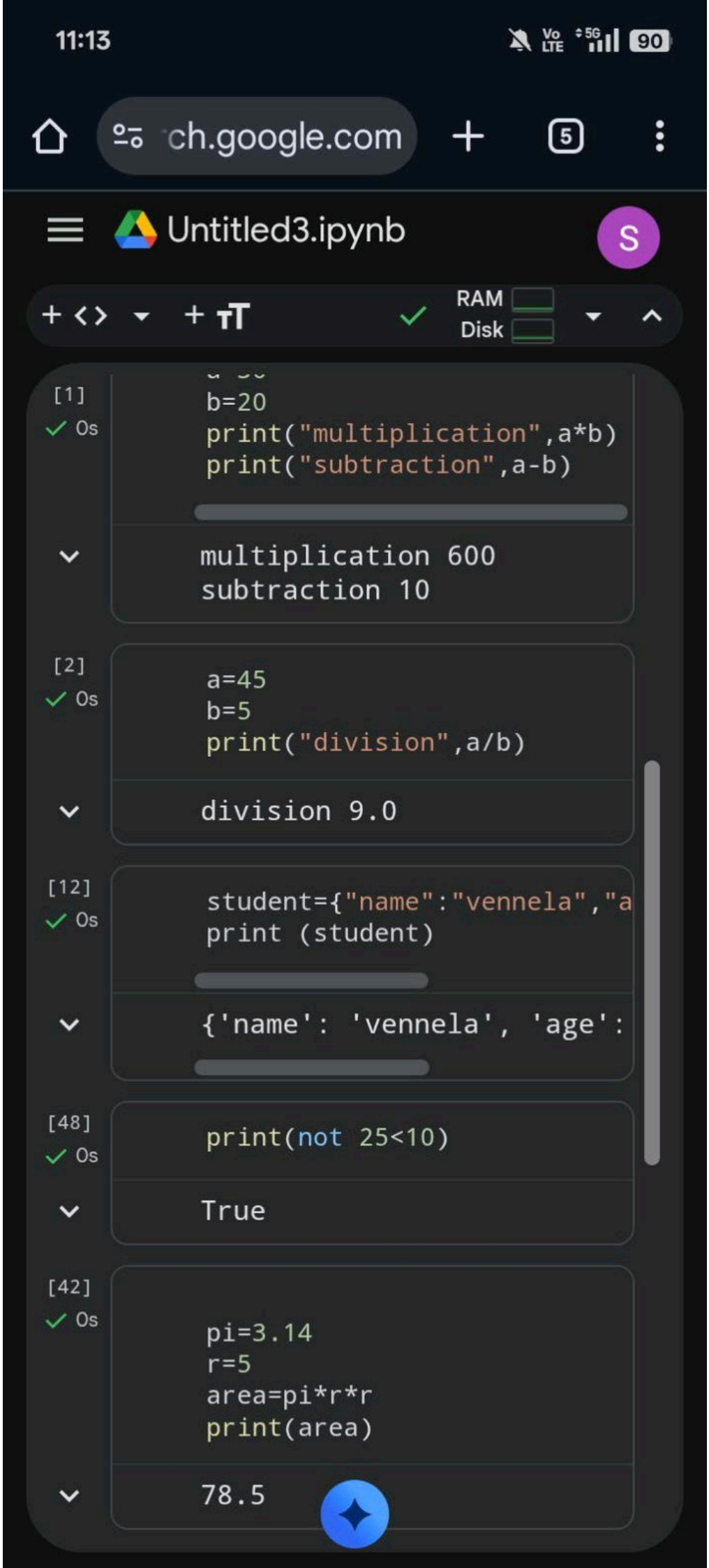

11:13
29-12-25
ch.google.com
Untitled3.ipynb
S
RAM
Disk
[54]
0s
a=10
b=15
print(a<b)
True
[4]
0s
marks = (80, 85, 90)
print (marks)
(80, 85, 90)
[8]
0s
colors= {"red","blue","green
print(colors)
{'green', 'red', 'blue'}
[ ]
Firstname= "Sravanam"
Middlename= "sri"
Lastname= "Vennela"
Fullname=Firstname+Middlenam
print(Fullname)
print(Firstname,Middlename,L
SravanamsriVennela
Sravanam sri Vennela
[1]
0s
a=30
b=20
print("m plication",a*b)


11:13
ch.google.com
Untitled3.ipynb
S
RAM
Disk
[1]
0s
b=20
print("multiplication",a*b)
print("subtraction",a-b)
multiplication 600
subtraction 10
[2]
0s
a=45
b=5
print("division",a/b)
division 9.0
[12]
0s
student={"name":"vennela","a
print (student)
{'name': 'vennela', 'age':
[48]
0s
print(not 25<10)
True
[42]
0s
pi=3.14
r=5
area=pi*r*r
print(area)
78.5

12:42

2-1-26

ch.google.com

Untitled4.ipynb

RAM
Disk

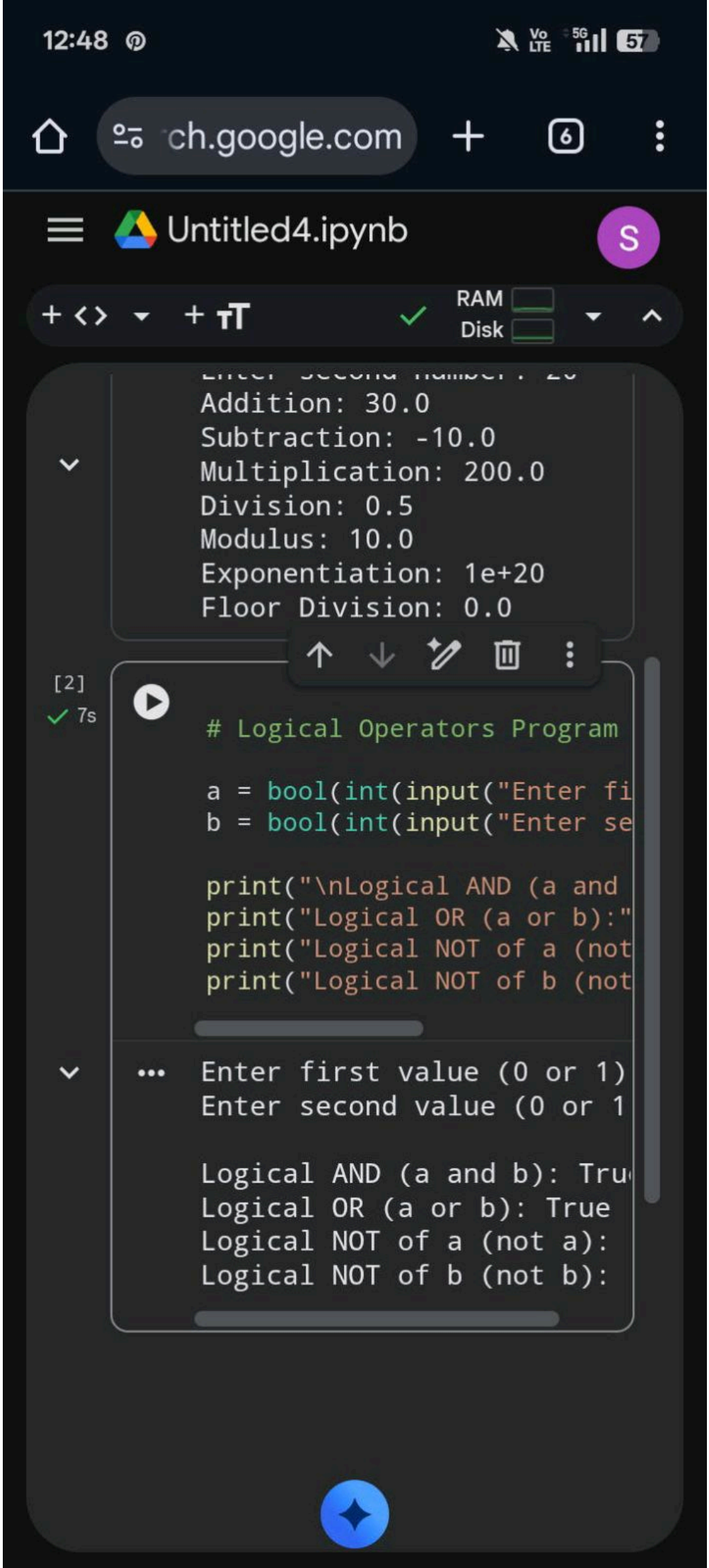
[1]
12s

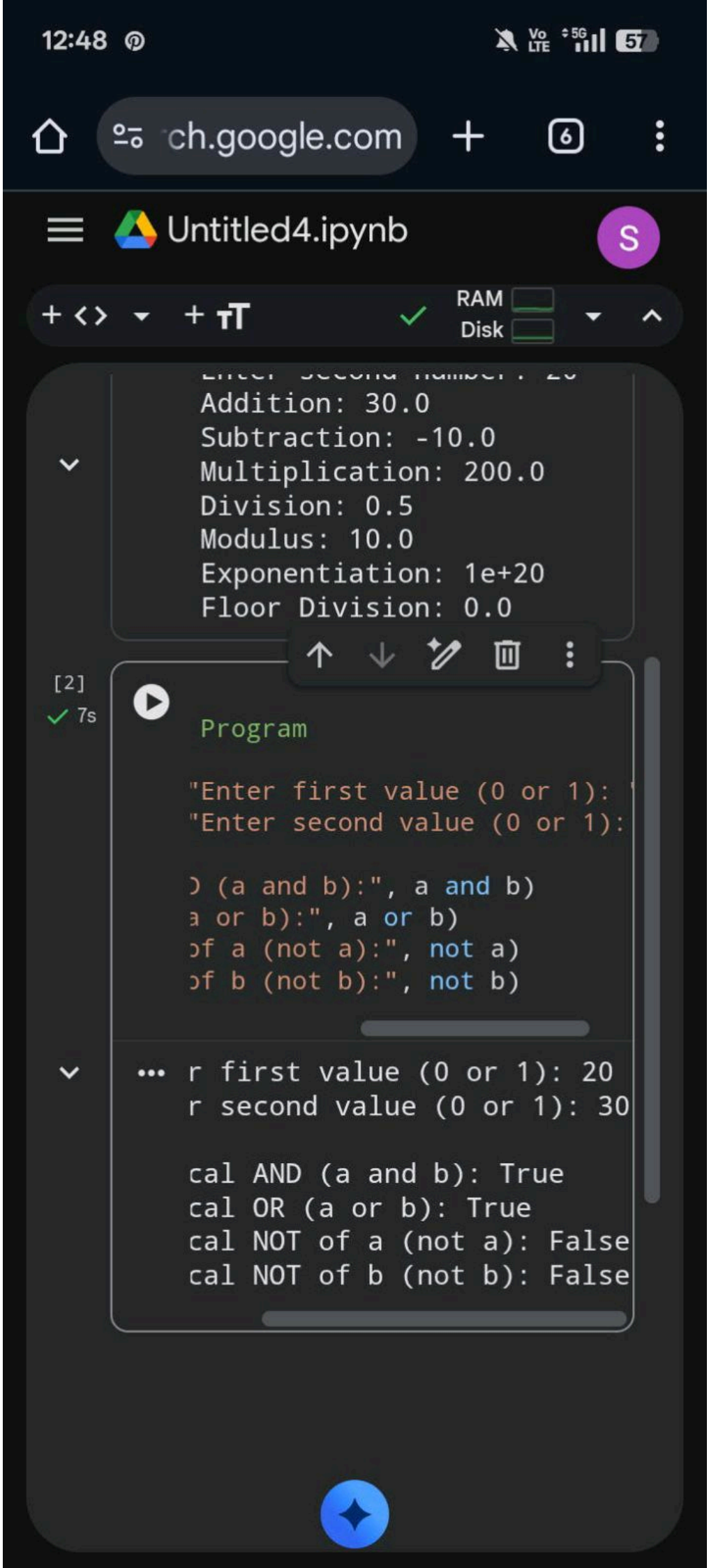
```
# Taking runtime input
a = float(input("Enter first
b = float(input("Enter secon

# Arithmetic operations
print("Addition:", a + b)
print("Subtraction:", a - b)
print("Multiplication:", a *
print("Division:", a / b)
print("Modulus:", a % b)
print("Exponentiation:", a *
print("Floor Division:", a /
```

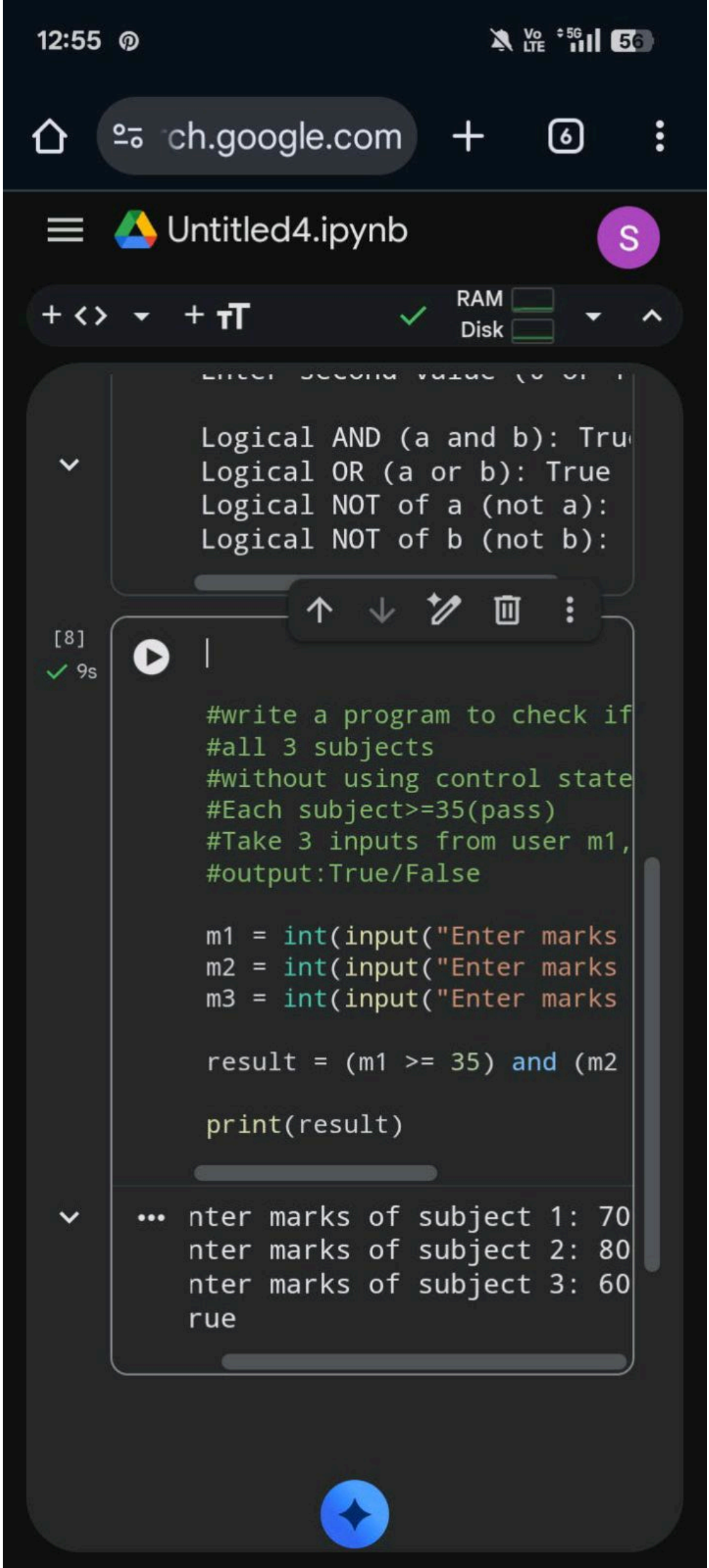
```
Enter first number: 10
Enter second number: 20
Addition: 30.0
Subtraction: -10.0
Multiplication: 200.0
Division: 0.5
Modulus: 10.0
Exponentiation: 1e+20
Floor Division: 0.0
```

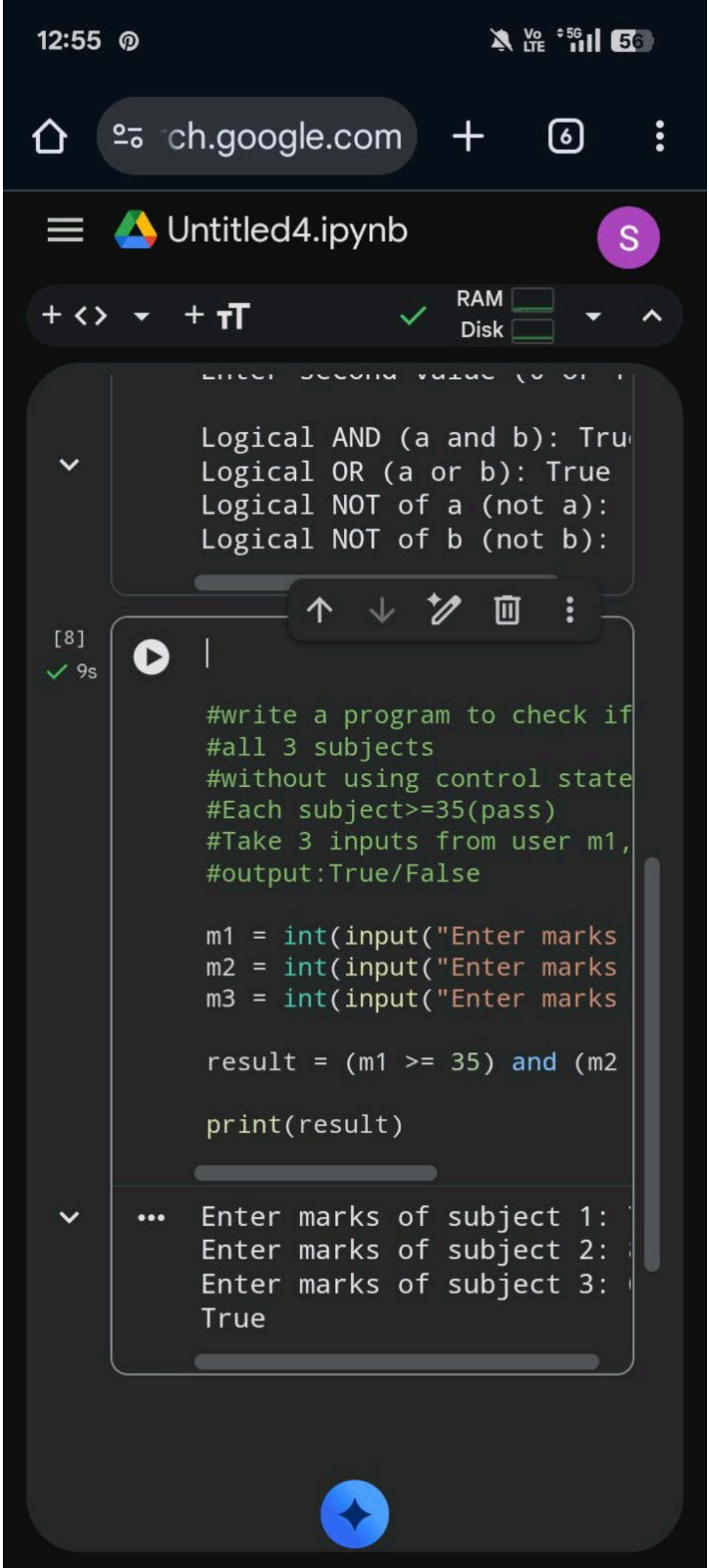
What can I help you build?

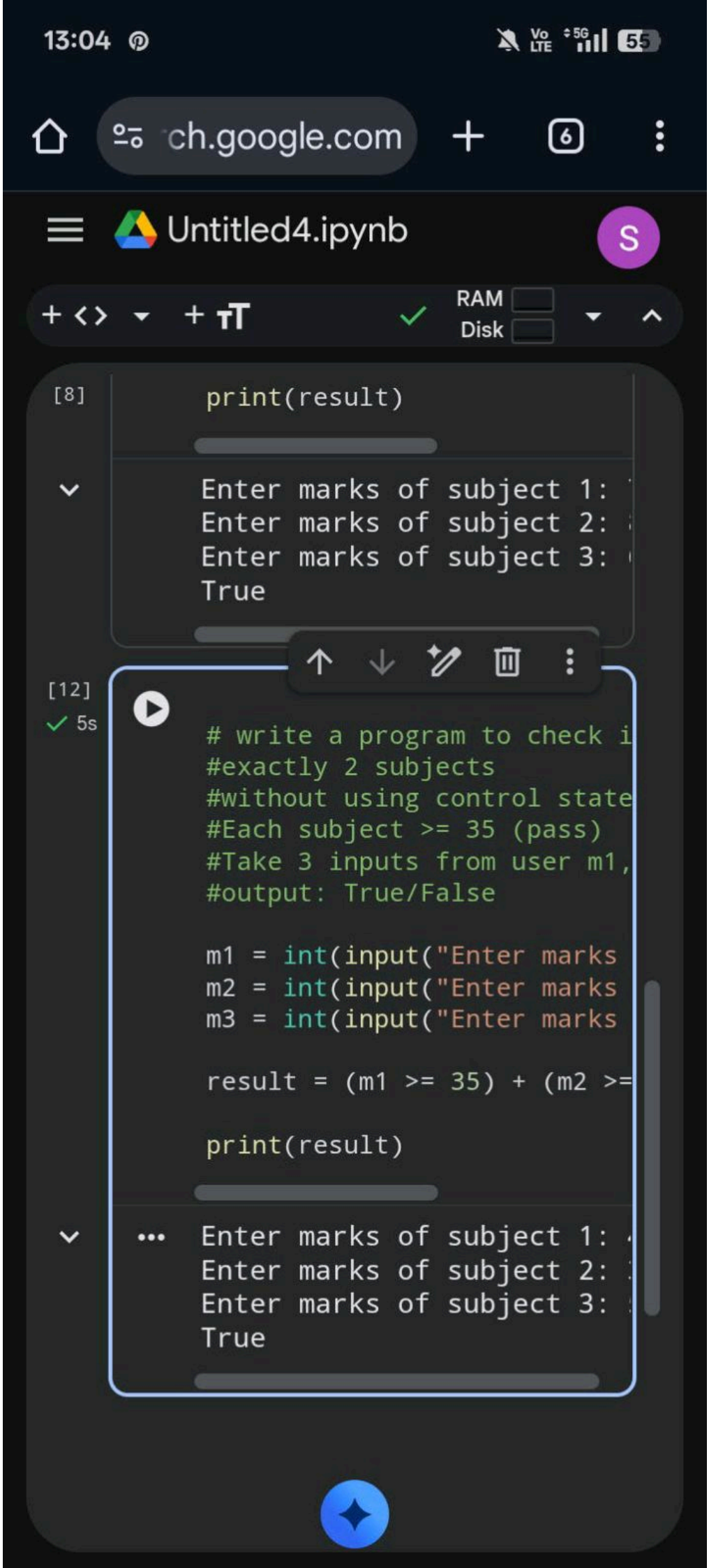
Gemini 2.5 Flash

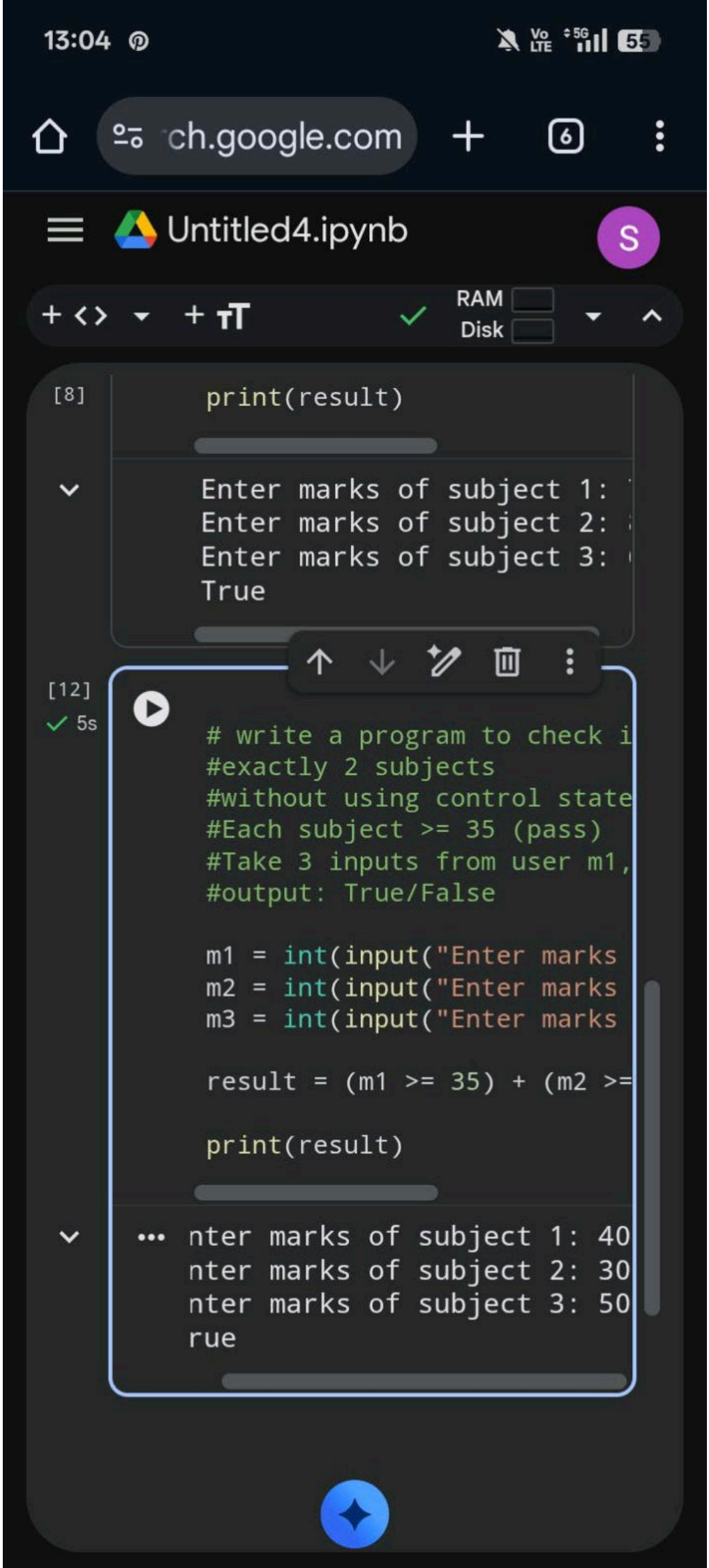

12:48
ch.google.com
Untitled4.ipynb
S
RAM
Disk
Addition: 30.0
Subtraction: -10.0
Multiplication: 200.0
Division: 0.5
Modulus: 10.0
Exponentiation: 1e+20
Floor Division: 0.0
[2]
7s
# Logical Operators Program
a = bool(int(input("Enter fi
b = bool(int(input("Enter se
print("\nLogical AND (a and
print("Logical OR (a or b):"
print("Logical NOT of a (not
print("Logical NOT of b (not
Enter first value (0 or 1)
Enter second value (0 or 1
Logical AND (a and b): Tru
Logical OR (a or b): True
Logical NOT of a (not a):
Logical NOT of b (not b):


12:48
ch.google.com
Untitled4.ipynb
S
RAM
Disk
Addition: 30.0
Subtraction: -10.0
Multiplication: 200.0
Division: 0.5
Modulus: 10.0
Exponentiation: 1e+20
Floor Division: 0.0
[2]
7s
Program
"Enter first value (0 or 1): "
"Enter second value (0 or 1):
) (a and b):", a and b)
a or b):", a or b)
of a (not a):", not a)
of b (not b):", not b)
r first value (0 or 1): 20
r second value (0 or 1): 30
cal AND (a and b): True
cal OR (a or b): True
cal NOT of a (not a): False
cal NOT of b (not b): False


12:55
ch.google.com
Untitled4.ipynb
S
RAM
Disk
Logical AND (a and b): Tru
Logical OR (a or b): True
Logical NOT of a (not a):
Logical NOT of b (not b):
[8]
9s
#write a program to check if
#all 3 subjects
#without using control state
#Each subject>=35(pass)
#Take 3 inputs from user m1,
#output:True/False
m1 = int(input("Enter marks
m2 = int(input("Enter marks
m3 = int(input("Enter marks
result = (m1 >= 35) and (m2
print(result)
nter marks of subject 1: 70
nter marks of subject 2: 80
nter marks of subject 3: 60
rue


12:55
ch.google.com
Untitled4.ipynb
S
RAM
Disk
Logical AND (a and b): Tru
Logical OR (a or b): True
Logical NOT of a (not a):
Logical NOT of b (not b):
[8]
9s
#write a program to check if
#all 3 subjects
#without using control state
#Each subject>=35(pass)
#Take 3 inputs from user m1,
#output:True/False
m1 = int(input("Enter marks
m2 = int(input("Enter marks
m3 = int(input("Enter marks
result = (m1 >= 35) and (m2
print(result)
Enter marks of subject 1:
Enter marks of subject 2:
Enter marks of subject 3:
True


13:04
ch.google.com
Untitled4.ipynb
S
RAM
Disk
[8]
print(result)
Enter marks of subject 1:
Enter marks of subject 2:
Enter marks of subject 3:
True
[12]
5s
write a program to check i
#exactly 2 subjects
#without using control state
#Each subject >= 35 (pass)
#Take 3 inputs from user m1,
#output: True/False
m1 = int(input("Enter marks
m2 = int(input("Enter marks
m3 = int(input("Enter marks
result = (m1 >= 35) + (m2 >=
print(result)
Enter marks of subject 1:
Enter marks of subject 2:
Enter marks of subject 3:
True


13:04
ch.google.com
Untitled4.ipynb
S
RAM
Disk
[8]
print(result)
Enter marks of subject 1:
Enter marks of subject 2:
Enter marks of subject 3:
True
[12]
5s
write a program to check i
#exactly 2 subjects
#without using control state
#Each subject >= 35 (pass)
#Take 3 inputs from user m1,
#output: True/False
m1 = int(input("Enter marks
m2 = int(input("Enter marks
m3 = int(input("Enter marks
result = (m1 >= 35) + (m2 >=
print(result)
nter marks of subject 1: 40
nter marks of subject 2: 30
nter marks of subject 3: 50
rue

09:18

9-1-26

ch.google.com

Untitled4.ipynb

RAM
Disk

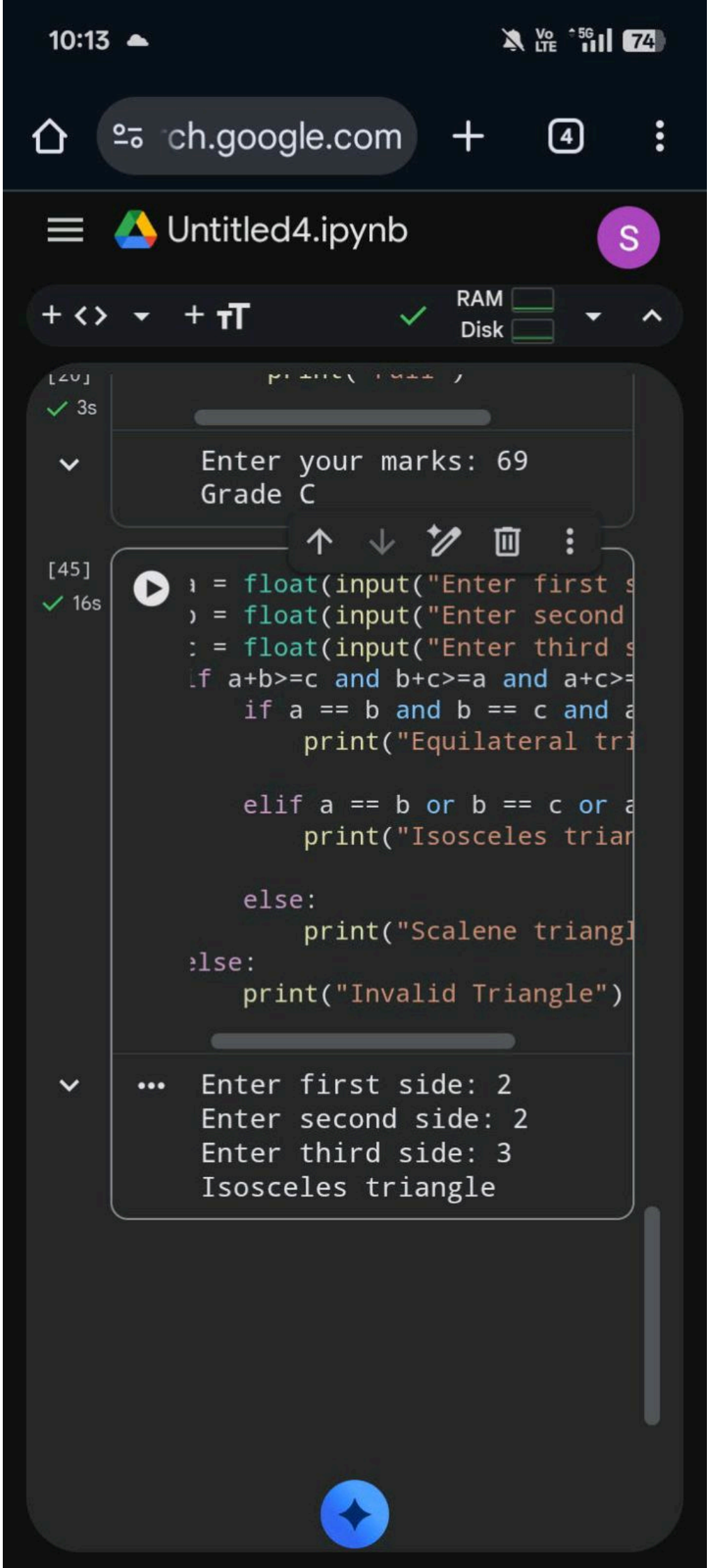
[9]
4s

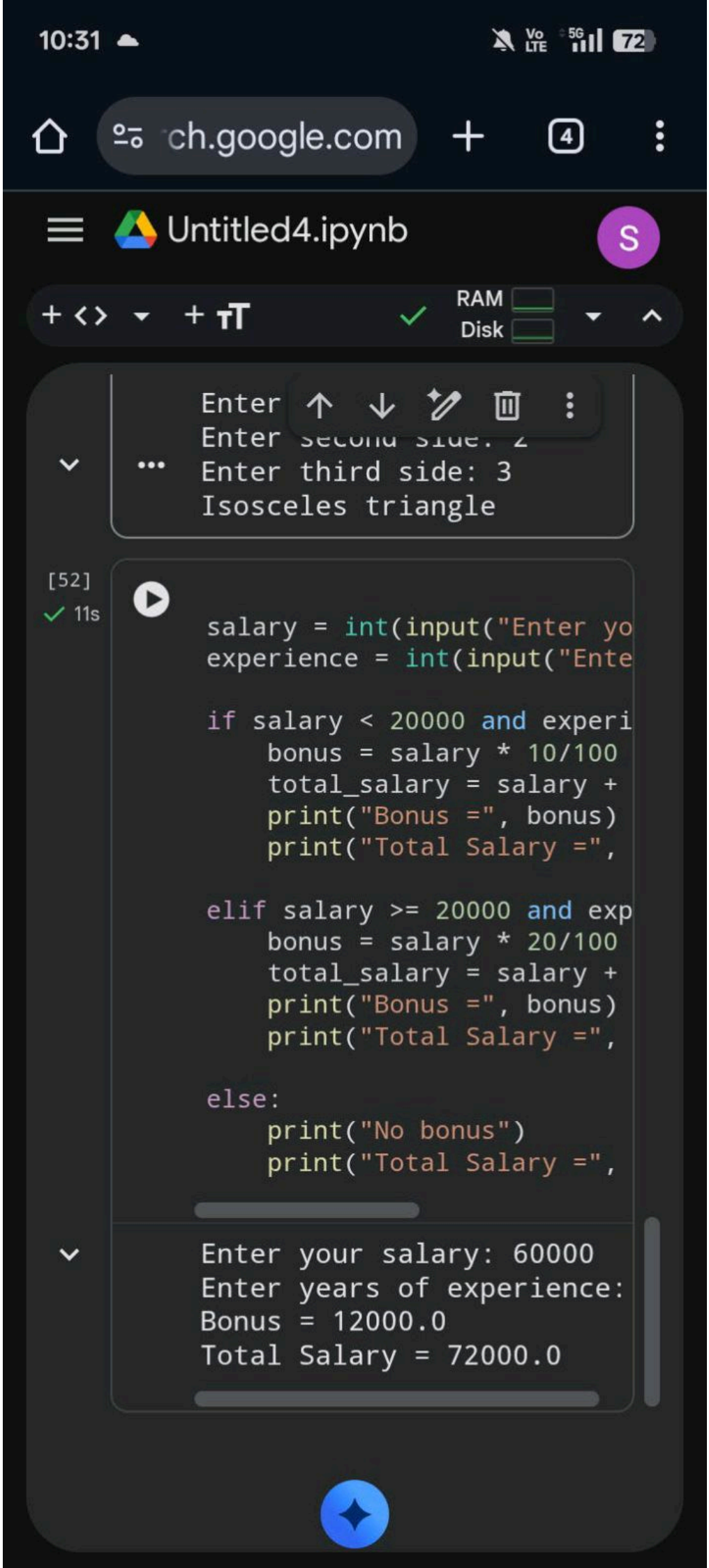
```
Enter marks:(0-100)30
Fail
```

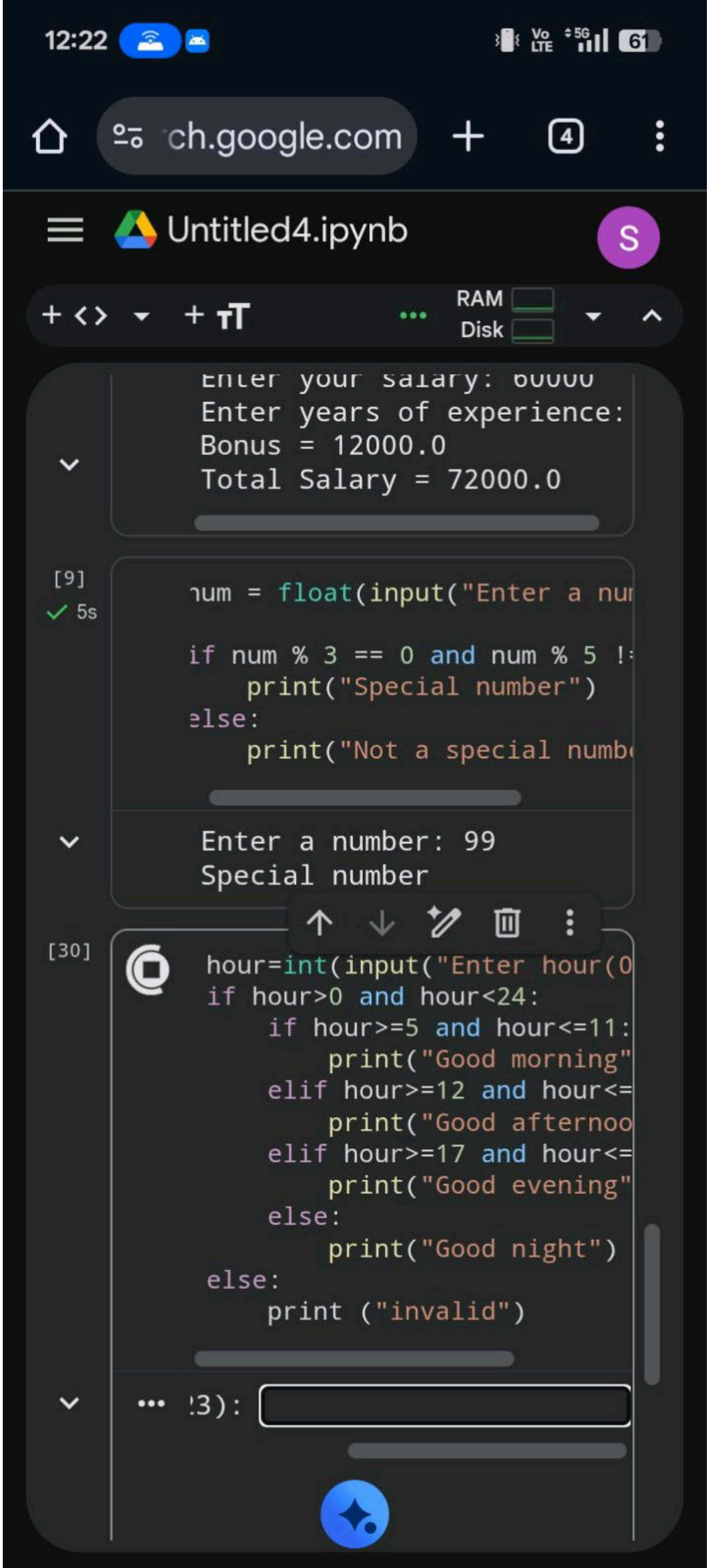
[19]
17s

```
marks = int(input("Enter you

if marks > 100 or marks < 0:
    print("Invalid marks")

elif marks >= 90:
    print("Grade A")

elif marks >= 75:
    print("Grade B")

elif marks >= 60:
    print("Grade C")

elif marks >= 40:
    print("Grade D")

else:
    print("Fail")
```

```
Enter your marks: 60
Grade C
```


10:13
ch.google.com
Untitled4.ipynb
S
RAM
Disk
3s
Enter your marks: 69
Grade C
[45]
16s
= float(input("Enter first s
= float(input("Enter second
= float(input("Enter third s
f a+b>=c and b+c>=a and a+c>=
if a == b and b == c and a
print("Equilateral tri
elif a == b or b == c or a
print("Isosceles triar
else:
print("Scalene triangl
lse:
print("Invalid Triangle")
Enter first side: 2
Enter second side: 2
Enter third side: 3
Isosceles triangle


10:31
ch.google.com
Untitled4.ipynb
S
RAM
Disk
Enter
Enter third side: 3
Isosceles triangle
[52]
11s
salary = int(input("Enter yo
experience = int(input("Ente
if salary < 20000 and experi
bonus = salary * 10/100
total_salary = salary +
print("Bonus =", bonus)
print("Total Salary =",
elif salary >= 20000 and exp
bonus = salary * 20/100
total_salary = salary +
print("Bonus =", bonus)
print("Total Salary =",
else:
print("No bonus")
print("Total Salary =",
Enter your salary: 60000
Enter years of experience:
Bonus = 12000.0
Total Salary = 72000.0



12:22

ch.google.com

Untitled4.ipynb

RAM
Disk

```
Enter your salary: 60000
Enter years of experience:
Bonus = 12000.0
Total Salary = 72000.0
```

[9] ✓ 5s

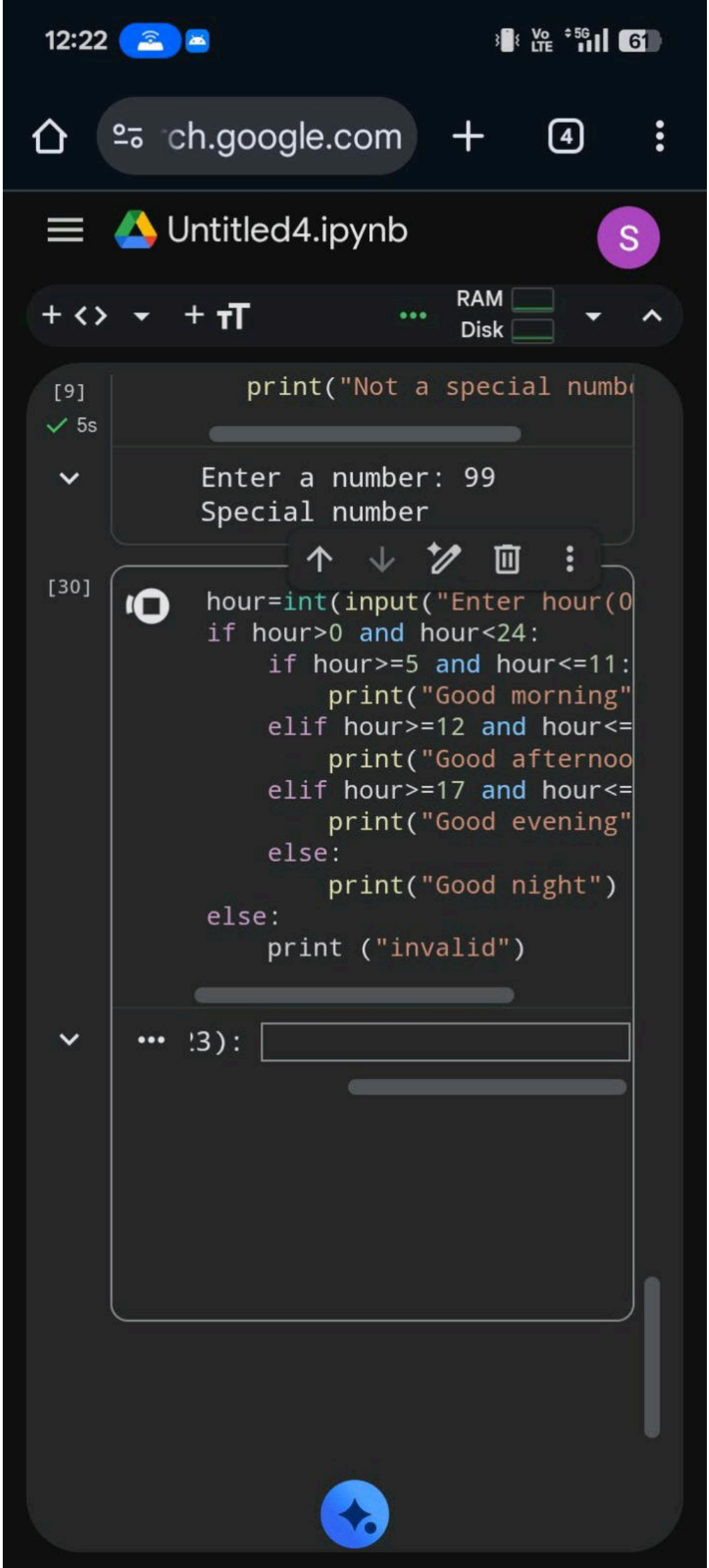
```
num = float(input("Enter a nu

if num % 3 == 0 and num % 5 !=
    print("Special number")
else:
    print("Not a special numb
```

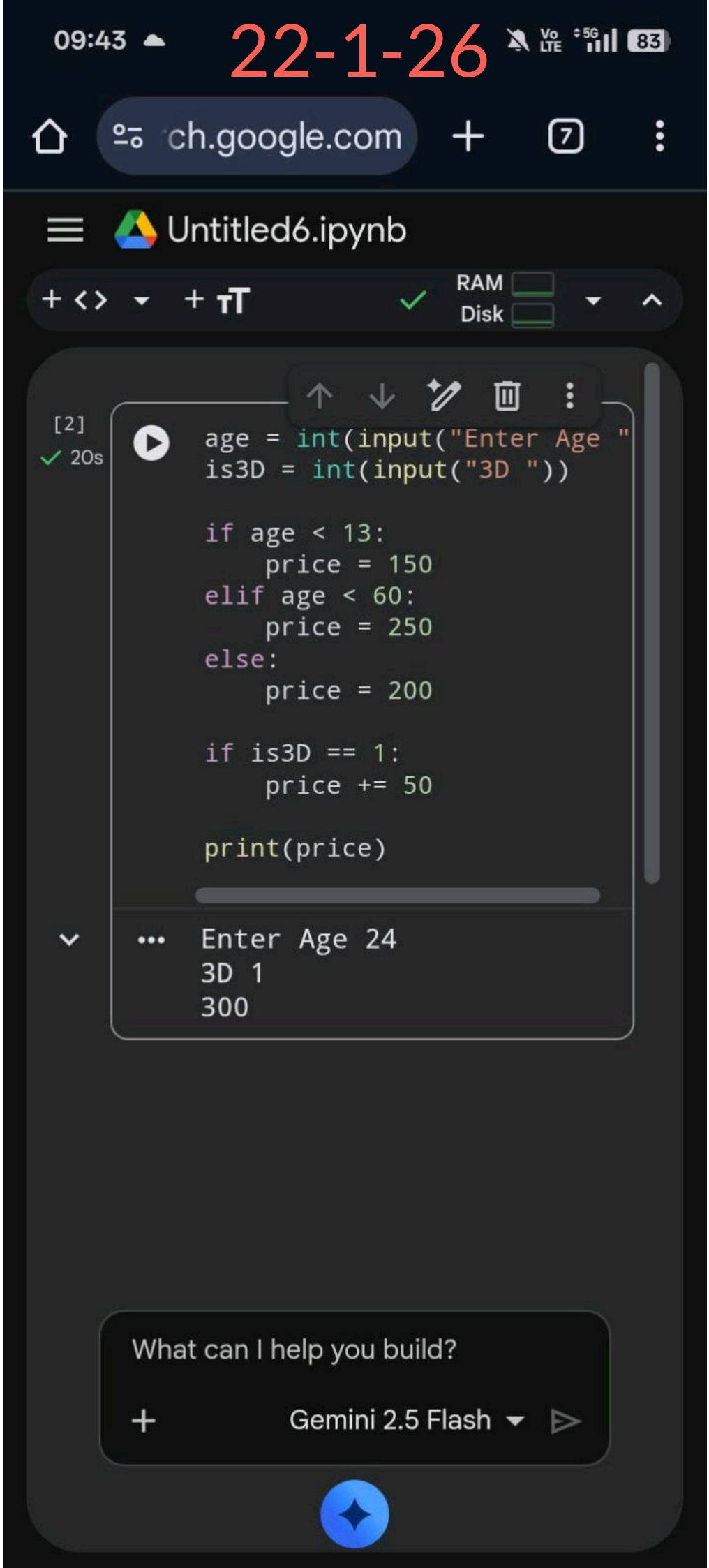
```
Enter a number: 99
Special number
```

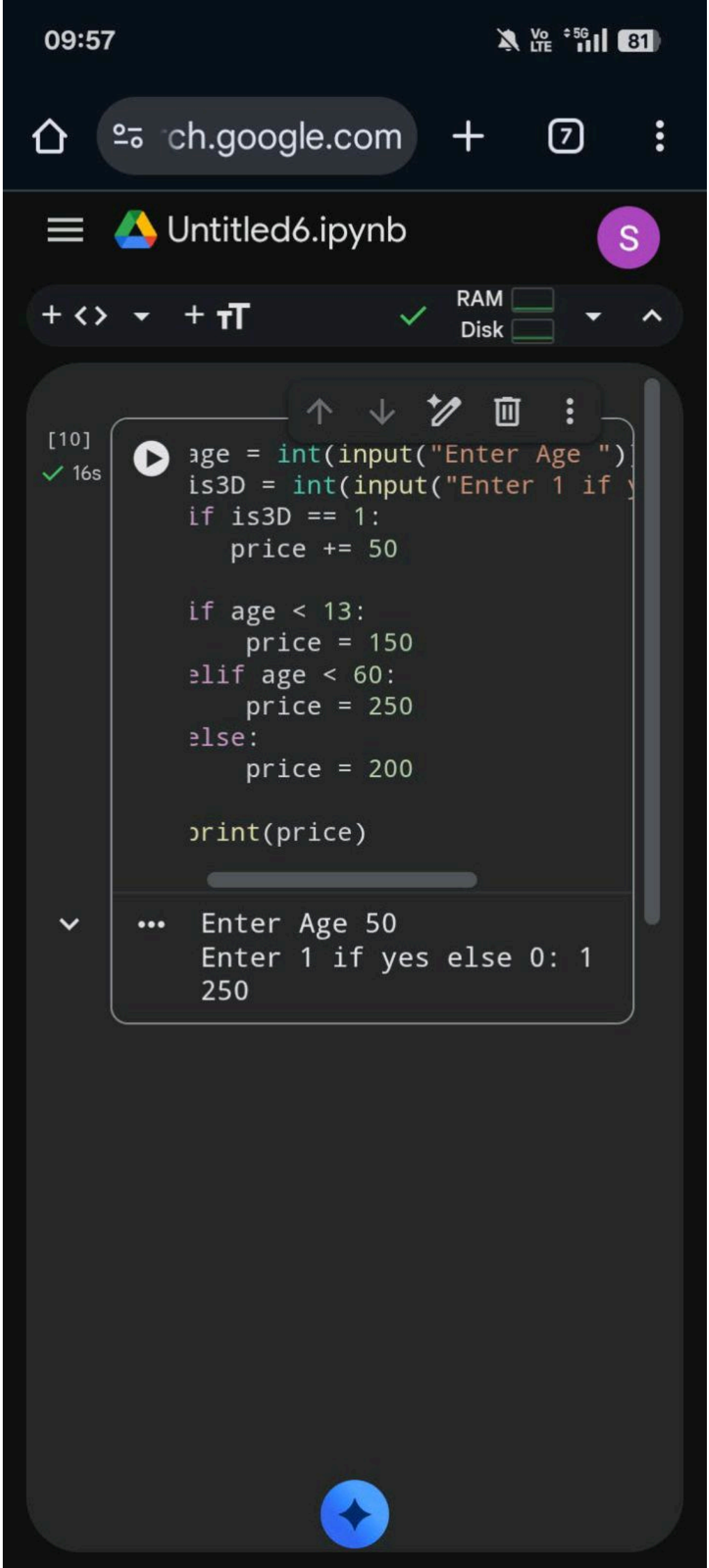
[30]

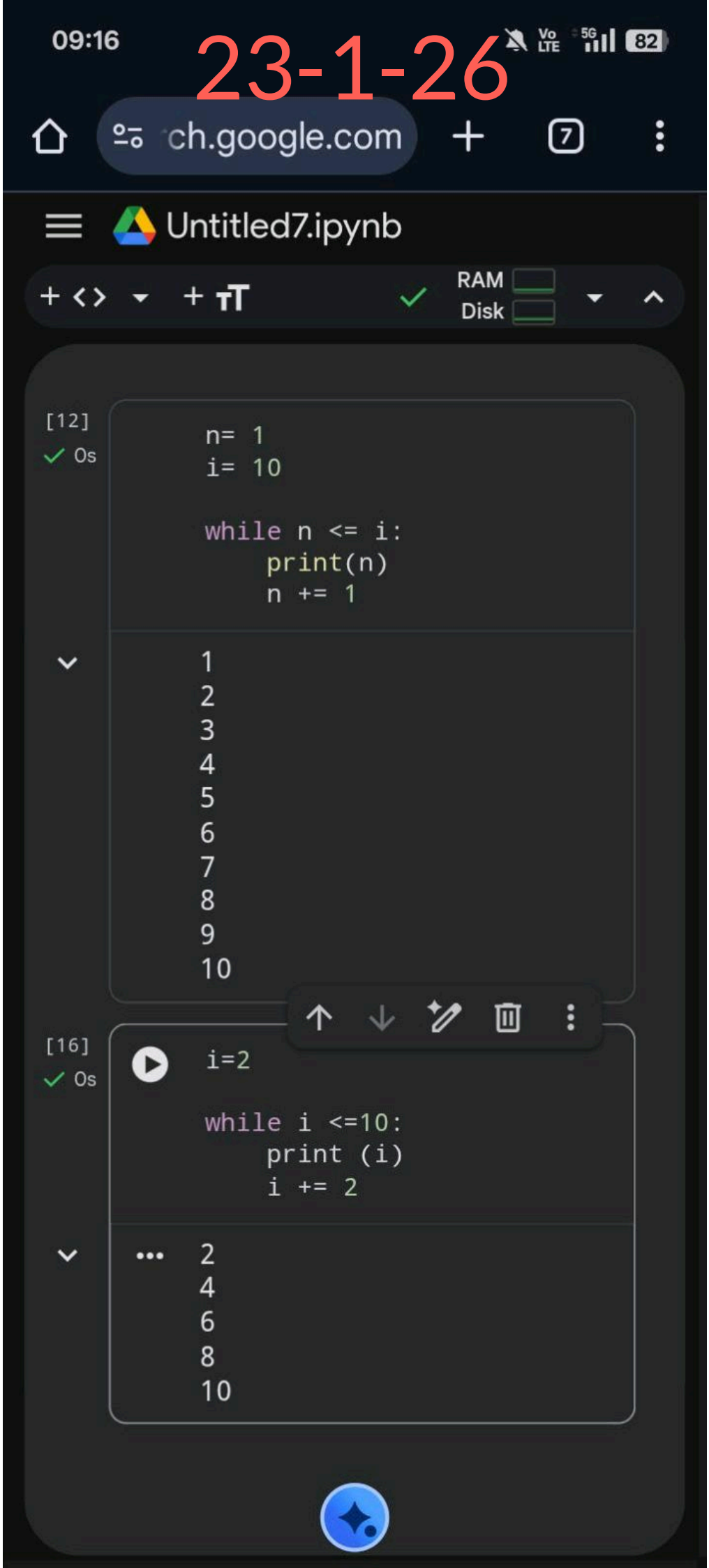
```
hour=int(input("Enter hour(0
if hour>0 and hour<24:
    if hour>=5 and hour<=11:
        print("Good morning"
    elif hour>=12 and hour<=
        print("Good afternoo
    elif hour>=17 and hour<=
        print("Good evening"
    else:
        print("Good night")
else:
    print ("invalid")
```

```
... !3):
```


12:22
ch.google.com
Untitled4.ipynb
S
RAM
Disk
[9]
5s
print("Not a special numb
Enter a number: 99
Special number
[30]
hour=int(input("Enter hour(0
if hour>0 and hour<24:
if hour>=5 and hour<=11:
print("Good morning"
elif hour>=12 and hour<=
print("Good afternoo
elif hour>=17 and hour<=
print("Good evening"
else:
print("Good night")
else:
print ("invalid")
!3):


09:43
22-1-26
ch.google.com
Untitled6.ipynb
RAM
Disk
[2]
20s
age = int(input("Enter Age "
is3D = int(input("3D "))
if age < 13:
price = 150
elif age < 60:
price = 250
else:
price = 200
if is3D == 1:
price += 50
print(price)
Enter Age 24
3D 1
300
What can I help you build?
Gemini 2.5 Flash


09:57
ch.google.com
Untitled6.ipynb
S
RAM
Disk
[10]
16s
age = int(input("Enter Age ")
is3D = int(input("Enter 1 if
if is3D == 1:
price += 50
if age < 13:
price = 150
elif age < 60:
price = 250
else:
price = 200
print(price)
Enter Age 50
Enter 1 if yes else 0: 1
250


09:16
23-1-26
ch.google.com
Untitled7.ipynb
RAM
Disk
[12]
0s
n= 1
i= 10
while n <= i:
print(n)
n += 1
1
2
3
4
5
6
7
8
9
10
[16]
0s
i=2
while i <=10:
print (i)
i += 2
2
4
6
8
10

09:41

ch.google.com

Untitled7.ipynb

RAM
Disk

[28]
3s

```
i=2
n=int(input("Enter n: "))
while i<=n:
    if i%2==0:
        print (i)
    i +=2

print(i)
```

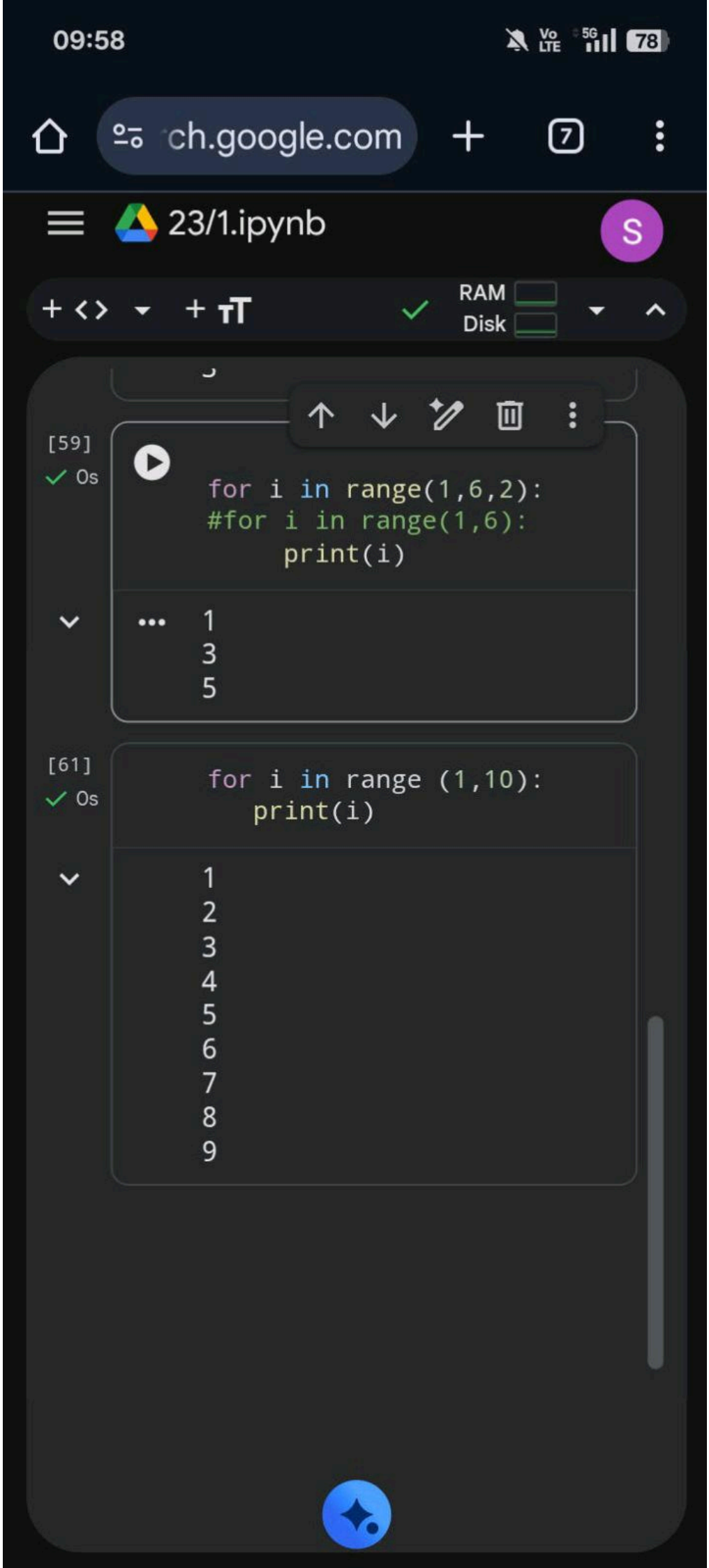
```
Enter n: 10
2
4
6
8
10
12
```

[36]
8s

```
i=1
n = int(input("Enter n: "))

total_sum = 0
while i <= n:
    print (i)
    total_sum = total_sum +
    i += 1

print (total_sum)
```

```
Enter n: 2
1
2
3
```


09:41
ch.google.com
Untitled7.ipynb
S
RAM
Disk
[46]
2s
n = int(input("Enter n: "))
i = 1
total = 0
while i <= n:
total += i
i += 1
print(total)
Enter n: 5
15
[ ]
[ ]


09:58
ch.google.com
23/1.ipynb
S
RAM
Disk
[59]
0s
for i in range(1,6,2):
#for i in range(1,6):
print(i)
1
3
5
[61]
0s
for i in range (1,10):
print(i)
1
2
3
4
5
6
7
8
9

```
[ ]  for i in range (1,11):
       print(i)
```

```
1
2
3
4
5
6
7
8
9
10
```

```
[ ]  for i in range(3,30,3):
       print(i)
```

```
3
6
9
12
15
18
21
24
27
```

```
[ ]  for i in range(10,0,-1):
       print(i)
```

```
10
9
8
```

```
print(i)
```

```
3
6
9
12
15
18
21
24
27
```

```
for i in range(10,0,-1):
    print(i)
```

```
10
9
8
7
6
5
4
3
2
1
```

```
#word ="CODE"
 array = ['a','b','c','d']
```

[4] ✓ 0s

```
n =356
print(n% 10)
```

```
6
```

12:40

No internet connection

ch.google.com

23/1.ipynb

Reconnect

```
print(
```

```
12
```

```
n=345
sum=0
while n>0:
    sum += n % 10
    n = n// 10
print (sum)
```

```
12
```

```
n=1234
rev=0
while n > 0:
    digit = n%10
    rev = rev*10 + digit
    n //= 10
print (rev)
```

```
4321
```

12:40

No internet connection

ch.google.com

23/1.ipynb

Reconnect

```
count =len (str(n))
print(count)
```

```
4
```

```
count=0
n=3456
while n>0:
    count = count+1
    n=n//10
print(count)
```

```
4
```

```
n=1234
rev = int(str(n)[::-1])
print (rev)
```

```
4321
```

```
num = 345
total = 0

for _ in range(len(str(num))
    digit = num % 10
    total += digit
    num = num // 10

print(total)
```

```
12
```

08:49 24-1-26

ch.google.com

24/7ipynb

Connect

```
[ ]
def greet():
    print("Welcome to Python

greet()
greet()
greet()
```

```
Welcome to Python Programm
Welcome to Python Programm
Welcome to Python Programm
```

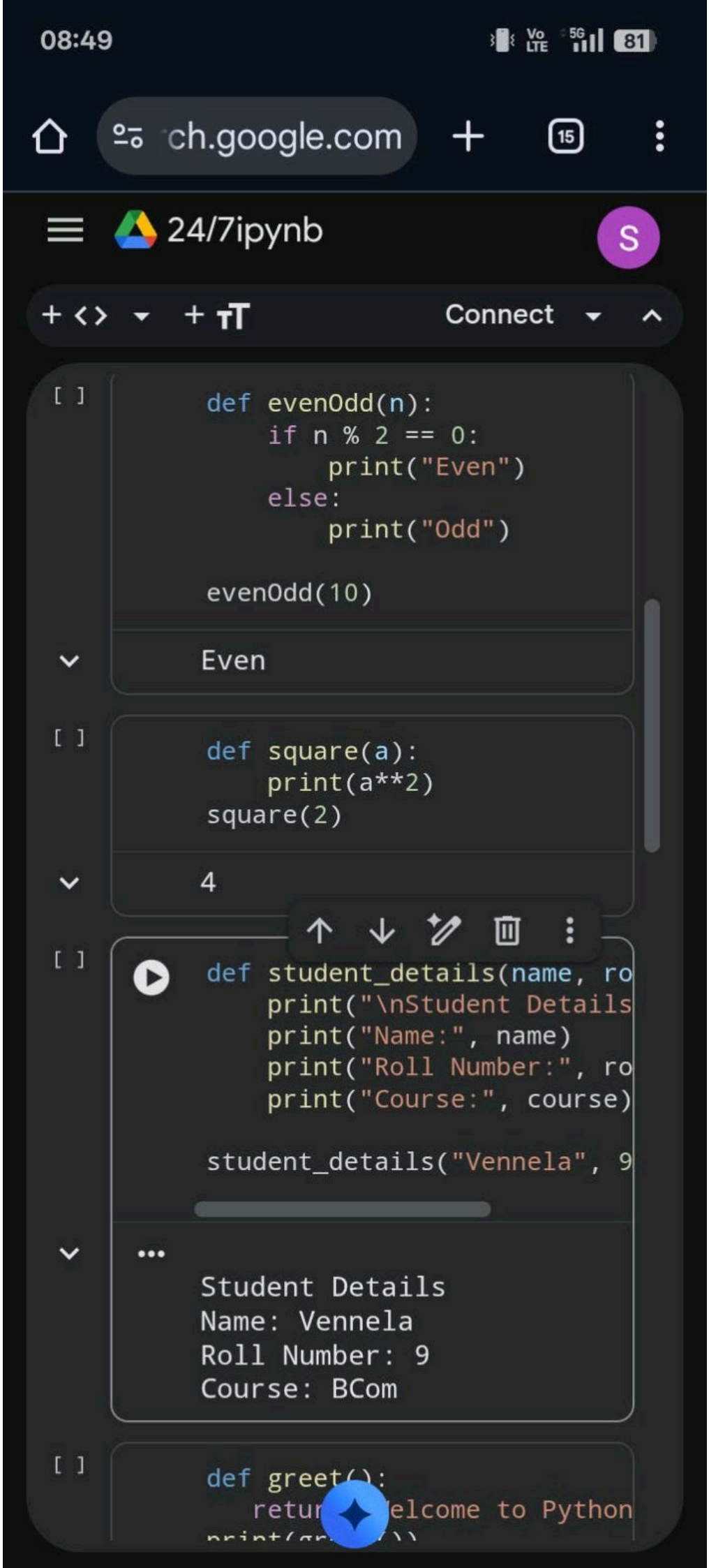
```
[ ]
def add (a,b):
return  a+b

print(add(10,4))
```

```
14
```

```
[ ]
def add(a, b):
    print(a + b)

add(10, 4)
```

```
14
```

```
[ ]
def evenOdd(n):
    if n % 2 == 0:
        print("Even")
    else:
        print("Odd")

evenOdd(
```


08:49
ch.google.com
15
24/7ipynb
S
Connect
[ ]
def evenOdd(n):
if n % 2 == 0:
print("Even")
else:
print("Odd")
evenOdd(10)
Even
[ ]
def square(a):
print(a**2)
square(2)
4
[ ]
def student_details(name, ro
print("\nStudent Details
print("Name:", name)
print("Roll Number:", ro
print("Course:", course)
student_details("Vennela", 9
Student Details
Name: Vennela
Roll Number: 9
Course: BCom
[ ]
def greet():
elcome to Python

[ ]

```
def greet():
    return "Welcome to Python
print(greet())
```

```
Welcome to Python
```

[ ]

```
def calculate(a,b):
    return a+b,a-b
x,y=calculate (6,4)
print (x,y)
```

```
10 2
```

[ ]

```
def student_details():
    name = "vennela"
    roll = 9
    course = "bcom"
    return name,roll,course

name,roll,course = student_d

print("Name:", name)
print("Roll Number:", roll)
print("Course:", course)
```

```
Name: vennela
Roll Number: 9
Course: bcom
```

[ ]

```
def square(a):
    retu    **2)
square(2
```

```
[ ]  def student_details():
         name = "vennela"
         roll = 9
         course = "bcom"
         return name,roll,course

     name,roll,course = student_d

     print("Name:", name)
     print("Roll Number:", roll)
     print("Course:", course)
```

```
Name: vennela
Roll Number: 9
Course: bcom
```

```
[ ]  def square(a):
         return(a**2)
     square(2)
```

```
4
```

```
[ ]  def factorial(n):
        if n==0:
            return 1
        else:
            return n * factorial(n
     print(factorial(4))
```

```
24
```

10:04 29-1-26

ch.google.com

Untitled7.ipynb

RAM
Disk

[1] ✓ 0s

```
name = "Vennela"

for ch in name:
    print(ch)
```

```
V
e
n
n
e
l
a
```

[2] ✓ 0s

```
name = "Vennela"


for ch in name:
    print(ch, end=" ")
```

```
V e n n e l a
```

[3] ✓ 0s

```
name="prabhas"
print(name[0:4])
```

```
prab
```

[4] ✓ 0s

```
name="Vennela"
print("len:",len(name))
print("max:",max(name))
print("m",min(name))
```

[4] ✓ 0s

```
name="Vennela"
print("len:",len(name))
print("max:",max(name))
print("min:",min(name))
```

```
len: 7
max: n
min: V
```

[7] ✓ 0s

```
name="vennela"
print(name.upper())
```

```
VENNELA
```

[8] ✓ 0s

```
name="VENNELA"
print(name.lower())
```

```
vennela
```

[13] ✓ 0s

```
name="global scope"
print(name.capitalize())
```

```
Global scope
```

[15] ✓ 0s

```
name="global scope"
print(name.title())
```

```
Global Scope
```

13:15

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29/1.ipynb

RAM
Disk

[7]
0s

```
arr = [10 ,20 ,30 ,40 ,50]

for element in arr:
    print (element)
```

```
10
20
30
40
50
```

[10]
0s

```
arr = [10, 20, 30, 40, 50]

count = 0
for i in arr:
    count += 1

print(" elements:", count)
```

```
 elements: 5
```

[12]
0s

```
arr = [10, 20, 30, 40, 50]
print("Sum of elements:", su
```

```
Sum of elements: 150
```

[13]
0s

```
rr = [10, 20, 30, 40, 50, 60]
rint(sum(arr[0::2]))
```

```
90
```