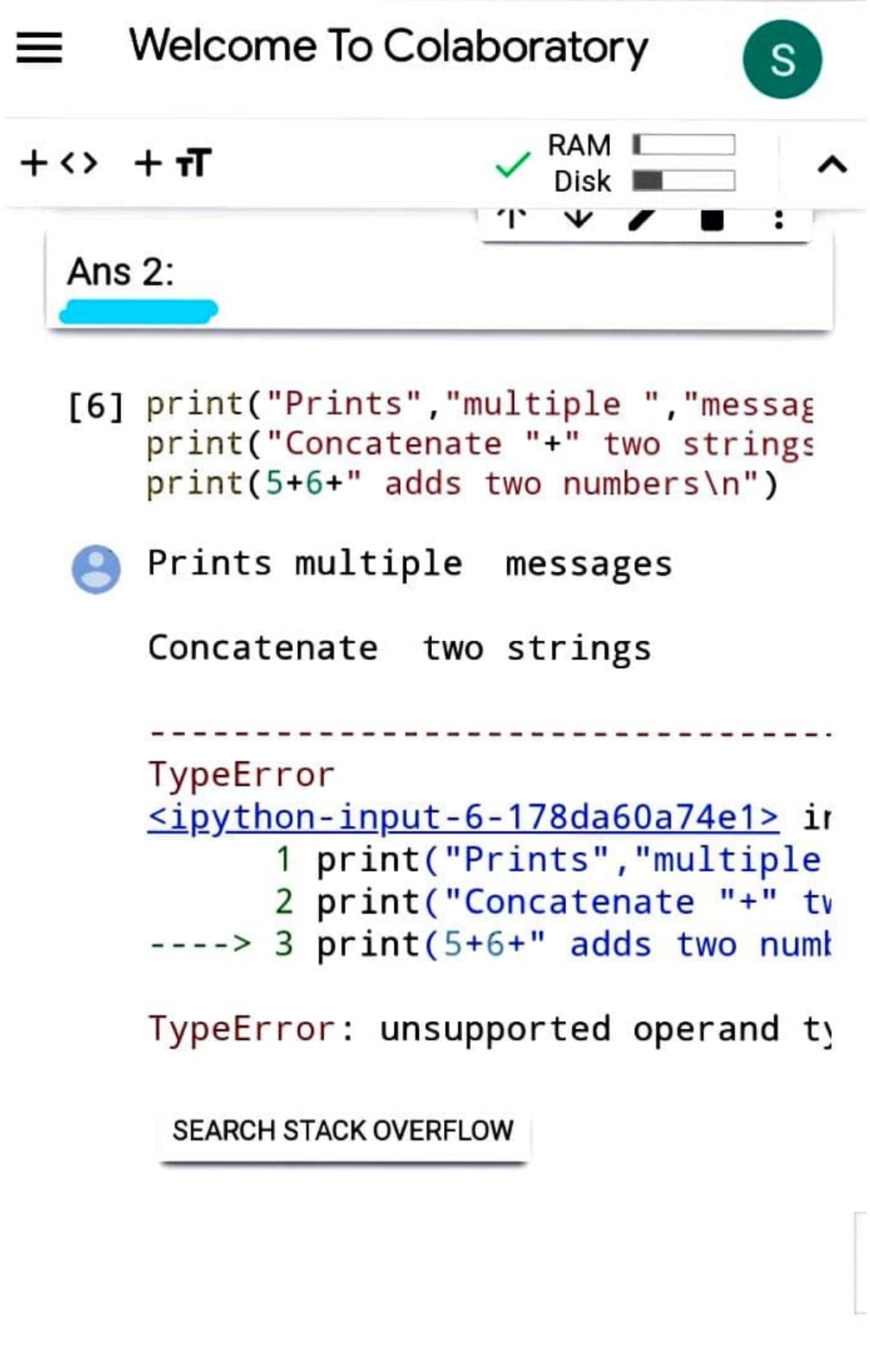
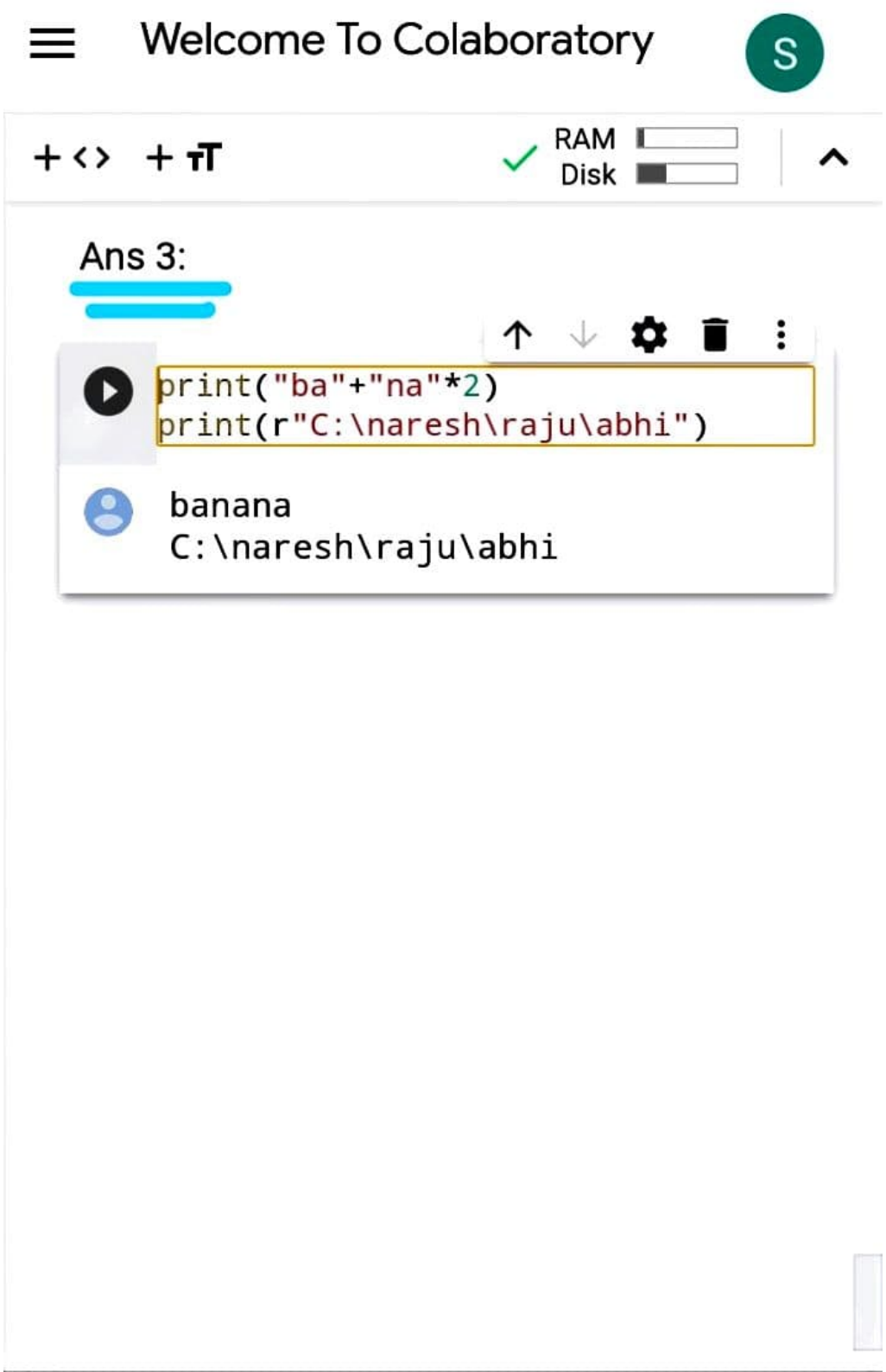
1st answer

```
print(0.1+0.2)
print("1.8"+"2")
print(87>78)
print((0.1+0.2)==0.3)
print("Predict ""output","....." )
```

```
0.30000000000000004
1.82
True
False
Predict output .....
```


Welcome To Colaboratory
S
RAM
Disk
Ans 2:
[6] print("Prints","multiple ","messag
print("Concatenate "+" two strings
print(5+6+" adds two numbers\n")
Prints multiple messages
Concatenate two strings
TypeError
<ipython-input-6-178da60a74e1> ir
1 print("Prints","multiple
2 print("Concatenate "+" tv
----> 3 print(5+6+" adds two numb
TypeError: unsupported operand ty
SEARCH STACK OVERFLOW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Ans 3:
print("ba"+"na"*2)
print(r"C:\naresh\raju\abhi")
banana
C:\naresh\raju\abhi

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Ans 4:

```
[9] Python traing program'[-4:-33:-4]
```

```
'g anytoW'
```

```
[10] object known as a string'[2:18:5]
```

```
'sscc'
```

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Ans 5:

```
[17]ect known as a string'[::-1][4::3])
```

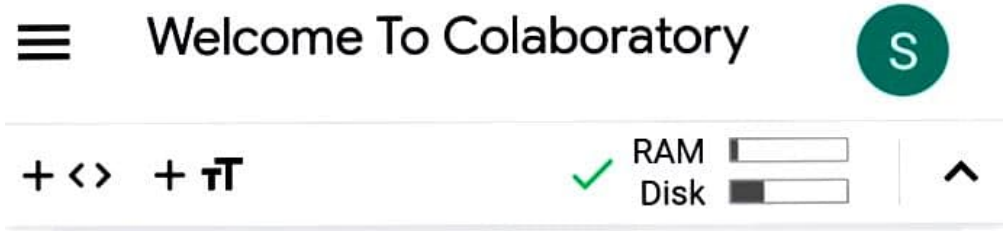
```
taawkcbe tgestrcoeeA
```

The notation that is used [::-1]means that for a given string you can slice the said object.

Here [::-1] reverse the total string first. Then it starts printing letters from the index 4 to till end by maintaining 3 jumps

```
print('-----------')
```

```
----------
```




```
[18] print('-----------')
```

```
----------
```

```
[22] int('Welcome to Python traing progr
```

```
ot emoc
```

Here [3:10] prints letters from index numbers 3 to 9.Then the obtained output is reversed

Ans 6: a)

```
[23] str1=True
     x= 5 > 3
     print(str1==x)
     y= 5 > 8
     print(str1==y)
```

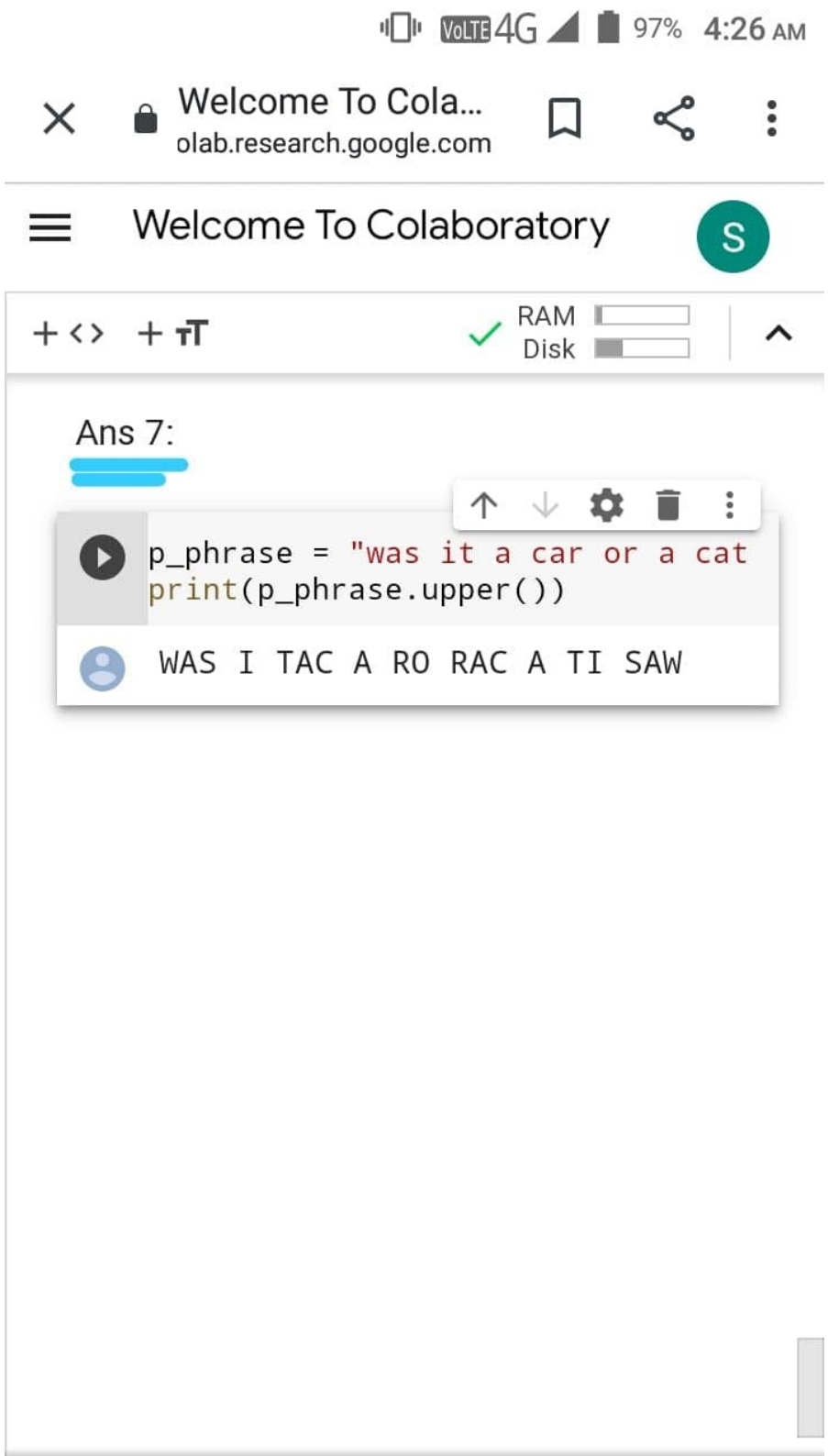
```
True
False
```

Here 5 is greater than 3. So, x is true and 5 is not greater than 8 so, str1 is not equal to y. y is false

Ans 6: b)

```
num=7
Name = "Michael Jackson"
Sure_num = Name. find('el')
print(num>Sure_num)
```

```
True
```


97% 4:26 AM
Welcome To Cola...
olab.research.google.com
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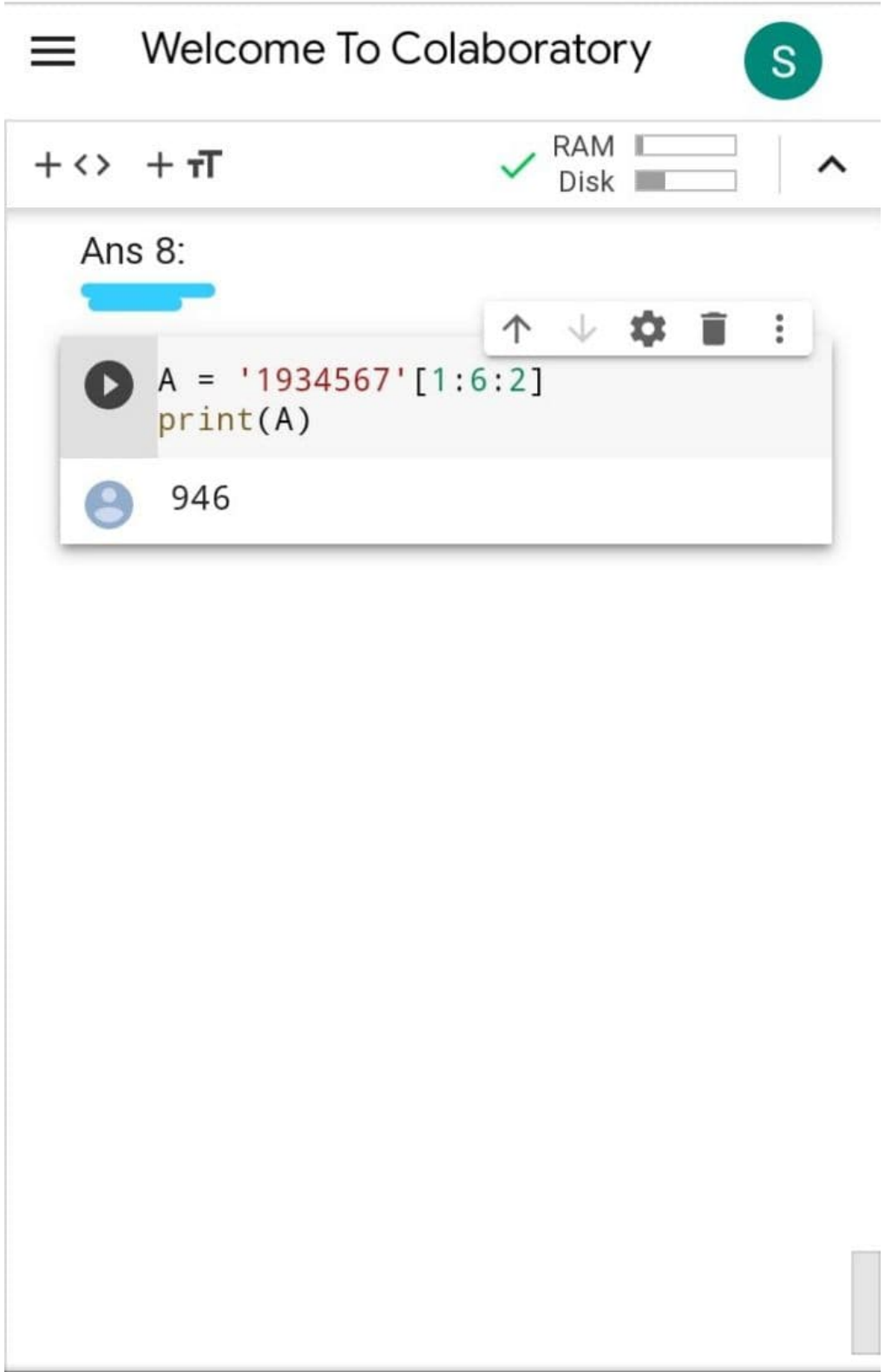
Ans 7:
p_phrase = "was it a car or a cat
print(p_phrase.upper())
WAS I TAC A RO RAC A TI SAW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Ans 8:
A = '1934567'[1:6:2]
print(A)
946

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Ans 9:

```
fake_phrase="Fake news has a knack for spreading like wildfire"[-33:-8]
print(fake_phrase.upper().split())
```

```
['EKIL', 'GNIDAERPS', 'ROF', 'KCANK']
```

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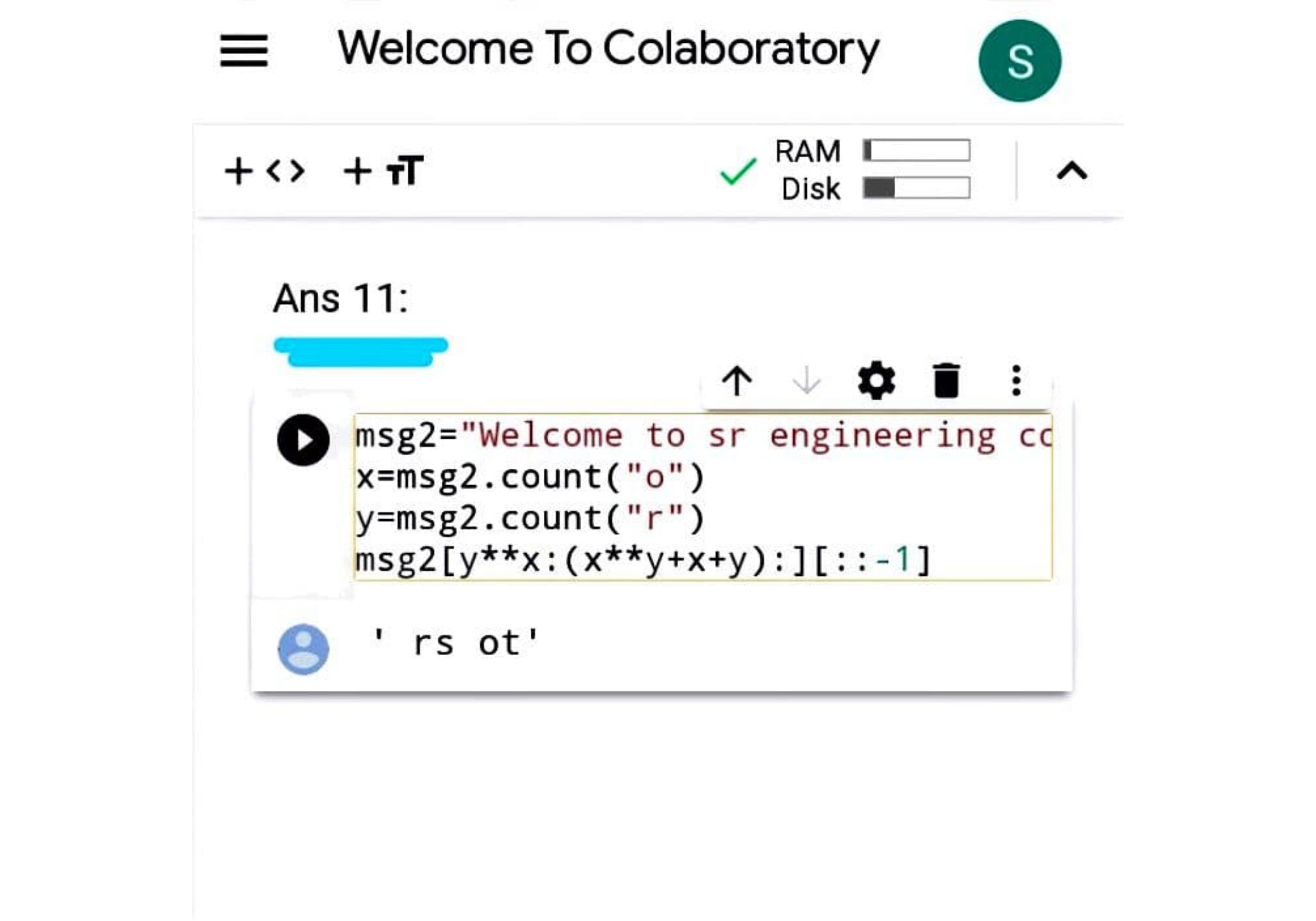
Ans 10:

```
msg1 = "Facebook already uses Al to filter Fake stories from the feec
print(msg1.split())
```

```
['Facebook', 'already', 'uses', 'Al', 'to', 'filter', 'Fake', 'sto
```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Ans 11:
msg2="Welcome to sr engineering cc
x=msg2.count("o")
y=msg2.count("r")
msg2[y**x:(x**y+x+y):][::-1]
' rs ot'

Welcome To Colaboratory

Reconnect

Ans 12:

```
[ ] num1,num2="94","30"
    data="As per Census 2011,Gender ratio of India is 943 females per 1000
    num1+num2[0] in data
```

```
True
```

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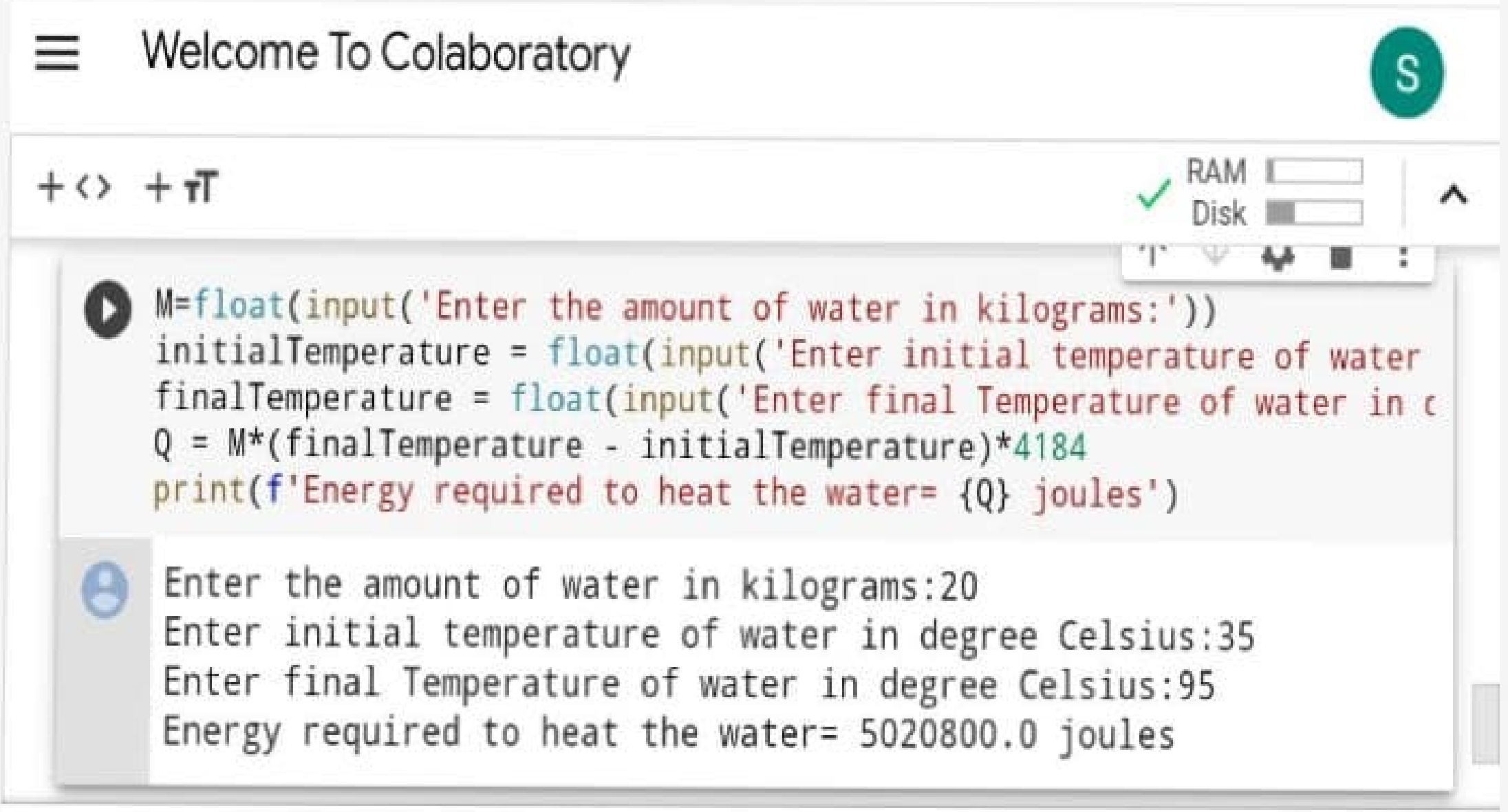
Ans 12: b)

```
print(data[:45],print(int(num1)+int(num2)))
```

```
124
As per Census 2011,Gender ratio of India is 9 None
```

Ans 13: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RAM
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M=float(input('Enter the amount of water in kilograms:'))
initialTemperature = float(input('Enter initial temperature of water
finalTemperature = float(input('Enter final Temperature of water in c
Q = M*(finalTemperature - initialTemperature)*4184
print(f'Energy required to heat the water= {Q} joules')
Enter the amount of water in kilograms:20
Enter initial temperature of water in degree Celsius:35
Enter final Temperature of water in degree Celsius:95
Energy required to heat the water= 5020800.0 joules

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Ans 14:

```
[14] X=2
     print('z'*X+'o'*X)
```

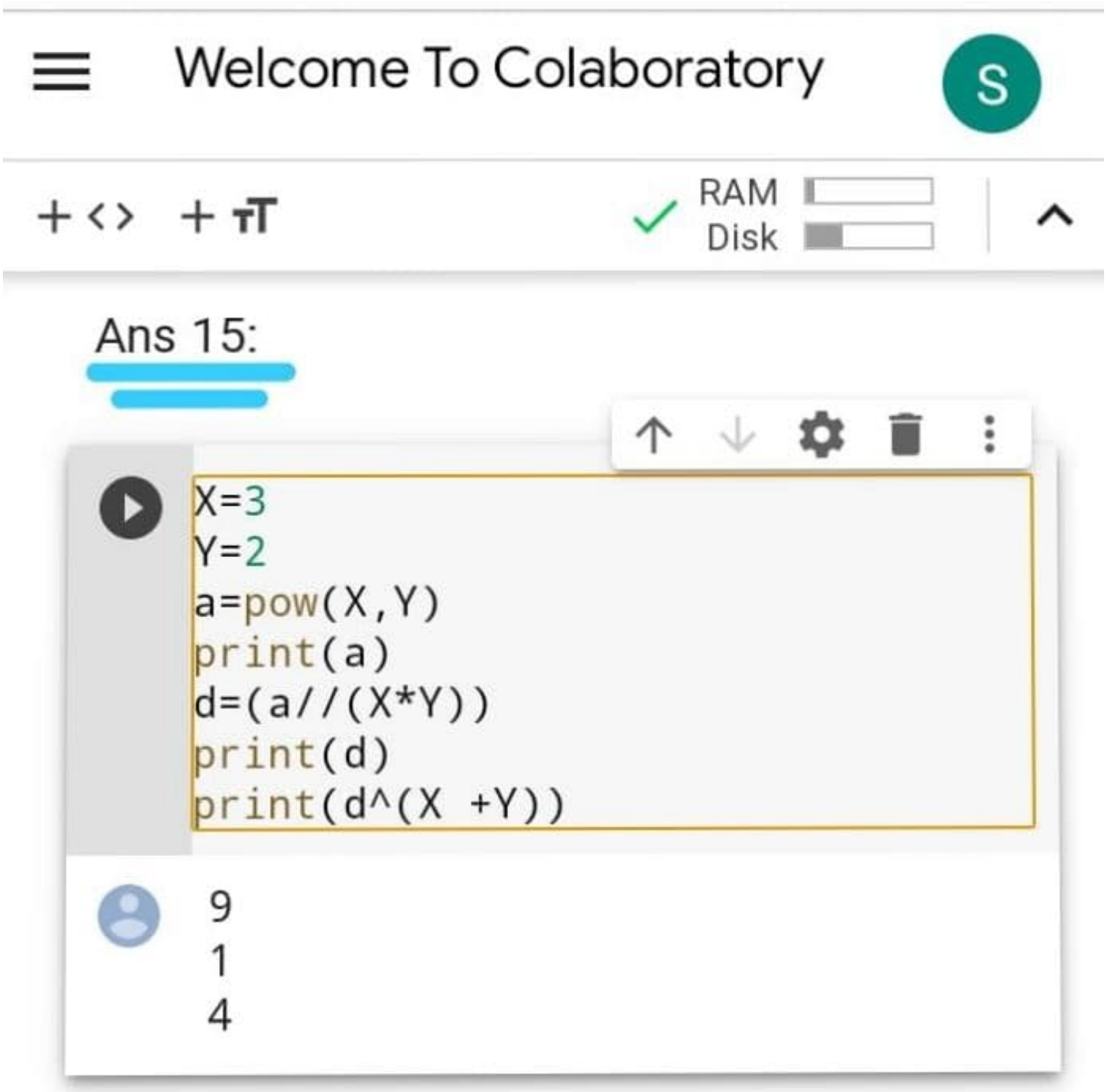
```
zzoo
```

```
[15] X=2
     Y=2*X
     print('z'*X+'o'*Y)
```

```
zzoooo
```

```
X=5
Y=2*X
print('z'*X+'o' *Y)
```

```
zzzzzooooooooo
```


Welcome To Colaboratory
S
RAM
Disk
Ans 15:
X=3
Y=2
a=pow(X,Y)
print(a)
d=(a//(X*Y))
print(d)
print(d^(X +Y))
9
1
4