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M

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✓ RAM [ ] ▾ Disk [ ] ^

[7]  
✓ 18s

```
b= int(input("Enter any number:"))
b= int(input("Enter any number:"))
print("sum:",a+b)
print("difference:",a-b)
print("product:",a*b)
print("Division:",a/b)
print("floor division:",a//b)
print("modules:",a%b)
```

▼

```
... Enter any number:10
Enter any number:20
sum: 30
difference: -10
product: 200
Division: 0.5
floor division: 0
modules: 10
```

2-1-2026

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✓ RAM Disk

```
a1TTerence: -10  
product: 200  
Division: 0.5  
floor division: 0  
modules: 10
```

[11]  
✓ 1m

▶|  
a= int(input("Enter a value:"))  
b= int(input("Enter b value:"))  
print(a>b and a<b)  
print(a>b or a<b)  
print( not a)

▼|  
... Enter a value:10  
Enter b value:15  
Show/hide output

True  
False

2-1-2026



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RAM

Disk



[1]

✓ 1s



```
a=10  
b=20  
print(a+b)  
print(a-b)  
print (a*b)
```



...

```
30  
-10  
200
```



3-1-2026



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✓ RAM [██████] ▾ ^

Disk [██████]

[10]  
✓ 8s

```
m=int(input("Enter marks:"))
if 0<=m>=100:
    if m>90:
        print("A Grade")
    elif m>=75:
        print("B Grade")
    elif m>=65:
        print("C Grade")
    elif m>40:
        print("D Grade")
    else:
        print("Fail")
else:
    print ("invalid")
```

▼

```
... Enter marks:-50
invalid
```

9-1-2026

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✓ RAM Disk

invalid

[11]  
✓ 32s

```
# Take input from user
a = int(input("Enter first side: "))
b = int(input("Enter second side: "))
c = int(input("Enter third side: "))

# Check triangle validity
if a + b > c and a + c > b and b +
    if a == b == c:
        print("Equilateral Triangle")
    elif a == b or b == c or a == c:
        print("Isosceles Triangle")
    else:
        print("Scalene Triangle")
else:
    print("Invalid Triangle")
```

⋮ Enter first side: 10
Enter second side: 5
Enter third side: 8
Scalene Triangle

## Untitled3.ipynb

+ &lt;&gt; ▾ + ⌂

✓ RAM [██████] ▾ ^  
Disk [██████][1]  
✓ 30s salary = int(input("Enter salary: "))  
experience = int(input("Enter years of experience: "))  
  
if salary < 20000 and experience >= 6:  
 print("Bonus = 20%")  
elif salary < 20000 and experience < 6:  
 print("Bonus = 10%")  
else:  
 print("No bonus")▼ ... Enter salary: 18000  
Enter years of experience: 6  
Bonus = 20%

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+ <> - + ↻ RAM Disk

[3] ✓ 9s

```
age = int(input("Enter age: "))
is3D = int(input("Is it a 3D movie?"))

if age < 13:
    price = 150
elif age <= 59:
    price = 250
else:
    price = 200

if is3D == 1:
    price += 50

print("Final Ticket Price: ₹", price)
```

...

Enter age: 20  
Is it a 3D movie? (1 for Yes, 0 for No): 1  
Final Ticket Price: ₹ 300

22-1-2026



Disk

[5]  
✓ 7s

```
attendance = int(input("Enter attendance percentage: "))
medical = int(input("Medical certificate (1 for Yes, 0 for No): "))

if attendance >= 75 or (attendance < 75 and medical == 1):
    print("Allowed")
else:
    print("Not Allowed")
```



... Enter attendance percentage: 80  
Medical certificate (1 for Yes, 0 for No): 1  
Allowed



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[5]  
✓ 8s

```
bill = float(input("Enter bill amount: "))
isPrime = int(input("Is customer a prime member? (1 for Yes, 0 for No) "))

if bill >= 5000:
    discount = 0.20
elif bill >= 2000:
    discount = 0.10
else:
    discount = 0.0

if isPrime == 1:
    discount += 0.05

final_amount = bill - (bill * discount)

print("Final amount to be paid: ₹", final_amount)
```

... Enter bill amount: 1999  
Is customer a prime member? (1 for Yes, 0 for No) 1  
Final amount to be paid: ₹ 1899.00



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Final amount to be paid: ₹ 1899.0

[7]  
✓ 12s

▶ battery = int(input("Enter battery percentage: "))  
isCharging = int(input("Is device charging? (1 for Yes, 0 for No) "))  
if isCharging == 1:  
 print("Charging")  
else:  
 if battery <= 20:  
 print("Low Battery")  
 elif battery <= 80:  
 print("Normal")  
 else:  
 print("Full")

⋮ Enter battery percentage: 75  
Is device charging? (1 for Yes, 0 for No) 1  
Charging

Automatic saving failed. This file was updated remotely or in another tab.

Show diff

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Driving

[8]  
✓ 15s

```
age = int(input("Enter age: "))
testPassed = int(input("Passed driving test? (1 for Yes, 0 for No)"))

if age >= 60:
    print("Eligible")
elif age >= 18 and testPassed == 1:
    print("Eligible")
else:
    print("Not Eligible")
```

... Enter age: 20  
Passed driving test? (1 for Yes, 0 for No)  
Eligible



1 2 3 4 5 6 7 8 9 0

Q W E R T Y U I O P

A S D F G H J K L

↑ Z X C V B N M ⌫

!#1 , English (US) . ↵



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✓ RAM [██████] ▾ ^  
Disk [██████]

[2]  
✓ 9s

▶ amount = float(input("Enter order amount: "))  
isGold = int(input("Is Gold member? (1 for Yes, 0 for No): "))  
distance = float(input("Enter delivery distance (km): "))  
  
if distance > 10:  
 print("Delivery Charged")  
elif amount >= 500 or isGold == 1:  
 print("Free Delivery")  
else:  
 print("Delivery Charged")

⋮ Enter order amount: 500  
Is Gold member? (1 for Yes, 0 for No): 1  
Enter delivery distance (km): 10  
Delivery Charged

What can I help you build?

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Gemini 2.5 Flash ▾ ➤



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... Connecting ▼ ^

```
Enter order amount: 500
Is Gold member? (1 for Yes, 0 for No): 1
Enter delivery distance (km): 100
Delivery Charged
```

1

↑ ⌂ ✨ 🎉 ⋮

```
salary = int(input("Enter salary: "))
creditScore = int(input("Enter cred
```

```
if salary >= 50000 or (salary >= 30000 and age <= 25):
    print("Loan Approved")
else:
    print("Loan Rejected")
```

1

```
... Enter salary: 30000  
Enter credit score: 700  
Loan Approved
```

What can I help you build?

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✓ RAM Disk

```
[4]   print("Loan Rejected")
✓ 9s

...
••• Enter salary: 30000
Enter credit score: 700
Loan Approved

[5]   units = int(input("Enter units consumed: "))
✓ 24s

if units <= 100:
    bill = units * 2
elif units <= 200:
    bill = (100 * 2) + (units - 100) * 3
else:
    bill = (100 * 2) + (100 * 3) + (units - 200) * 5

print("Electricity Bill Amount: ₹", bill)
...
••• Enter units consumed: 120
Electricity Bill Amount: ₹ 260
```

Show/hide output

What can I help you build?

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✓ RAM [██████] ▾ ↗

[5]  
✓ 24s

```
bill = (100 * 2) + (units - 100)
else:
    bill = (100 * 2) + (100 * 3) +
print("Electricity Bill Amount: ₹",
```

▼

```
Enter units consumed: 120
Electricity Bill Amount: ₹ 260
```

↑ ↓ ✎ 🗑️ ⋮

[8]  
✓ 14s

```
marks = int(input("Enter marks: "))
income = int(input("Enter family income: "))
singleParent = int(input("Single parent child? (1 for Yes, 0 for No): "))

if marks >= 85 and (income < 50000 or singleParent == 1):
    print("Scholarship Granted")
else:
    print("Scholarship Not Granted")
```

▼

```
... Enter marks: 95
Enter family income: 30000
Single parent child? (1 for Yes, 0 for No): 1
Scholarship Granted
```

What can I help you build?

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Gemini 2.5 Flash ▾ ➤



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✓ RAM [██████] ▾ ↗

Disk [██████]

[9]

✓ 34s



```
theory = int(input("Enter theory marks: "))
practical = int(input("Enter practical marks: "))

if (theory >= 40 and practical >= 40):
    print("Pass")
else:
    print("Fail")
```

⋮ Enter theory marks: 89  
Enter practical marks: 50  
Pass

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Colab paid products  Cancel contracts here

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Enter practical marks: 50  
Pass



[ ]

▶ isWeekend = int(input("Is it a weekend? (1 for Yes, 0 for No): "))  
daysStayed = int(input("Enter number of days stayed: "))

```
if isWeekend == 1:  
    rate = 4000  
else:  
    rate = 3000  
  
bill = rate * daysStayed  
  
if daysStayed > 3:  
    bill = bill * 0.85  
print("Total bill amount:rupees", bill)
```

▼ ... nd stay? (1 for Yes, 0 for No): 0  
of days stayed: 5  
mount:rupees 12750.0

What can I help you build?



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✓ RAM Disk

[2]  
✓ Os



```
I=1  
n=10  
while I<=n:  
    print (I)  
    I+=1  
print (I)
```

••• 1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11

23-1-2026



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✓ RAM [██████] ▾ ^

Disk [██████]

11

[5]  
✓ 13s

▶ n = int(input("Enter the value of r  
for i in range(1, n + 1):  
 print(2 \* i)  
# Example output

▼

... Enter the value of n: 10

2  
4  
6  
8  
10  
12  
14  
16  
18  
20

↑ ↓ ✎ 🗑️ ⏺



...

1 2 3 4 5 6 7 8 9 0

Q W E R T Y U I O P

A S D F G H J K L

⬆ Z X C V B N M ⏻

!#1 , English (US) . ↵



▼

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✓ RAM Disk

[2]  
✓ 0s

```
I=1
n=10
while I<=n:
    print (I)
    I+=1
print (I)
```



```
1
2
3
4
5
6
7
8
9
10
11
```

[5]  
✓ 13s



```
n = int(input("Enter the value of r"))
for i in range(1, n + 1):
    print(2 * i)
# Example output
```



```
... Enter the value of n: 10
2
4
6
8
10
12
14
16
18
20
```

[7]



I = 1



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```
I = 1
n = int(input("Enter n: "))
sum = 0
while I<=n:
    print(I)
    sum = sum+I
    print(sum)
    I+=1
print (I)
print (sum)
```

⋮ Enter n: 10

1  
1  
2  
3  
3  
6  
4  
10  
5  
15  
6  
21  
7  
28  
8  
36  
9  
45  
10  
55  
11  
55

Runtime disconnected



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✓ RAM [ ] ▾ ^

Disk [ ]

[21]

✓ Os

```
for I in range ( 3 ,31 ,3):
    print (I)
```

▼

3  
6  
9  
12  
15  
18  
21  
24  
27  
30

[24]

✓ Os

```
for I in range (11, 0,-1):
    print (I)
```

▼

11  
10  
9  
8  
7  
6  
5  
4  
3  
2  
1

[ ]



↑ ↓ ✎ 🗑️ ⋮



## Untitled8.ipynb

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✓ RAM [██████] ▾ ^  
Disk [██████]3  
2  
1  
▼ ...

↑ ↓ ✎ 🗑️ ⋮

[26]

✓ 0s

 word = "CODE"  
array = ['a', 'b', 'c', 'd']  
if word == "CODE":  
 for ch in array:  
 print(ch)▼ ... a  
b  
c  
d

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✓ RAM Disk

b  
c  
d

↑ ↓ ⚡ 🗑️ ⋮

[1]  
✓ 1s

▶ n=356  
print(n % 10)  
print(356//10)  
print(35//10)  
print(3//10)

⋮ 6  
35  
3  
0

X ✓ Untitled8.ipynb - C... colab.research.google.com

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✓ RAM [██████] ▾ ^  
Disk [██████]

[1]

✓ 1s

```
n=356  
print(n % 10)  
print(356//10)  
print(35//10)  
print(3//10)
```

```
6  
35  
3  
0
```

↑ ↓ ⚡ 🗑 ⋮

[ ]



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✓ RAM Disk

[4]  
✓ Os

```
n = 356
print(n % 10)
print(356//10)
print(35//10)
print(3//10)
count = 0
while n > 0:
    count = count + 1
    n = n // 10
print(count)
```

… 6
35
3
0
3



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✓ RAM Disk

[6]  
✓ 12s

```
▶ num = int(input("Enter a number: "))  
rev = 0  
  
while num != 0:  
    digit = num % 10  
    rev = rev * 10 + digit  
    num = num // 10  
  
print("Reversed number:", rev)
```

⋮ Enter a number: 145  
Reversed number: 541

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✓ RAM [██████] ▾ ^  
Disk [██████]

[6]  
✓ 12s

```
▶ num = int(input("Enter a number: "))  
rev = 0  
  
while num != 0:  
    digit = num % 10  
    rev = rev * 10 + digit  
    num = num // 10  
  
print("Reversed number:", rev)
```

...

Enter a number: 145  
Reversed number: 541

X

1

Untitled8.ipynb - C...

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3



+



# Untitled8.ipynb

+ 11

... Connecting

1

[ ]



```
print("Reversed number:", rev)
```

1

```
Enter a number: 145
Reversed number: 541
```

[ ]



```
n= 365  
sum =0  
while n > 0:  
    sum += n % 10  
    n = n//10  
print(sum)
```

1

... 14

↑

1



1

## Runtime disconnected



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✓ RAM [██████] ▾ ^  
Disk [██████]

[15]

✓ 0s

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

▼

4321

[17]

✓ 0s

```
▶ for I in range(1, 11):
    if I == 5:
        break
    print(I)
```

▼

... 1  
2  
3  
4

↑ ↓ ✎ 🗑️ ⋮



10:22

VoLTE+ LTE1 ↑ .

## Untitled9.ipynb - C...

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## Untitled9.ipynb

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... Connecting ▾ ^

```
[ ]        
a = int(input("Enter first number: ")  
b = int(input("Enter second number: ")  
  
sum = a + b  
print("Sum is:", sum)
```

```
... Enter first number: 4  
Enter second number: 6  
Sum is: 10
```

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[ ]

▶ a = int(input("Enter first number:"))  
b = int(input("Enter second number:"))

sum = a + b  
print("Sum is:", sum)

▼

... Enter first number: 4  
Enter second number: 6  
Sum is: 10

⬆️ ⬇️ ✎ 🗑️ ⋮

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+ <> ▾ + T T ✓ RAM [ ] Disk [ ]

[11] 0s

```
def square(a):
    print (a**2)
square(9)

...
81
```

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+ <> ▾ + T T ✓ RAM [ ] Disk [ ]

81  
[16] ✓ 0s

```
def calculate(a,b):
    return a + b, a - b
print(calculate(10,5))
```

... (15, 5)

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✓ RAM [████] ▾ ^  
Disk [████]

[1]  
✓ Os

```
s="python programming "
print(s[1:5]) #characters from index 1 to 5
print(s[0:3]) # from start to index 3
print(s[3:]) #from index 3 to end
```

...

```
ytho
pyt
hon programming
```

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What can I help you build?

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✓ RAM [ ] ▾ ^

Disk [ ]

✓ 0s

ytho  
pyt  
hon programming  
python programming

↑ ↓ ✎ 🗑 ⏮ ⏶

[5]  
✓ 0s



```
s = "python"  
for char in s:  
    print(char, end=" ")
```

▼

... p y t h o n

What can I help you build?

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▼ ⌂ p y t h o n ↑ ↓ ✎ 🗑 ⋮

[6]

✓ 2s

▶ s = "python"  
print(len(s))  
print(max(s))  
print(min(s))

▼  
6  
y  
h

What can I help you build?

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✓ RAM Disk

[12] s = "python"  
✓ Os # Strings are immutable, so you can't change them  
# s[0] = "]"

# Instead, create a new string with  
s\_new = "]" + s[1:]  
print(s\_new)

]yhton

[14]

✓ Os

s = "kalyani"  
for char in s:  
 print(char,end="")

kalyani

[15]

✓ Os

s= "kalyani"  
print(s[1:5]) #characters from index 1 to 5  
print(s[0:3]) # from start to index 3  
print(s[3:]) #from index 3 to end  
print(s[:])

alya  
kal  
yani  
kalyani

[16]

✓ Os



s = "kalyani"  
for char in s:  
 print(char,)

...

k  
a  
l  
y  
a  
n  
i

↑ ↓ ⚡ 🗑️ ⋮



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Reconnect ▾ ^

[ ]

```
s = "kalyani"  
for char in s:  
    print(char,end="")
```

▼

kalyani

[ ]

```
s = "kalyani"  
print(s[::-1])
```

▼

inaylak

[ ]

▶ text = "kalyani"  
print(text.upper())  
print(text.lower())  
print(text.title())  
print(text.capitalize())

▼

... KALYANI  
kalyani  
Kalyani  
Kalyani

↑ ↓ ⚡ 🗑️ ⋮





KALYANI  
kalyani  
Kalyani  
Kalyani

[5]  
✓ 0s

▶ from array import array  
arr = array ('i',[10,20,30,40,])  
for x in arr:  
 print(x)

▼

... 10  
20  
30  
40



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✓ RAM [ ] ▾ ^

Disk [ ]

[5]

✓ Os

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

▼

```
10  
20  
30  
40
```

[10]

✓ Os



```
from array import array  
arr = array ('i',[10,20,30,40,])  
arr.remove(30)  
print(arr)
```

▼

```
... array('i', [10, 20, 40])
```



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✓ RAM [ ] ▾ ^  
Disk [ ]

✓ 0s

array('i', [10, 20, 30])

[12]

✓ 0s

```
from array import array
arr = array ('i',[10,20,30,40,])
arr.append(20)
print(arr.count(20))
```

▼

2

↑ ↓ ⚡ 🗑️ ⋮

[14]

✓ 0s

```
▶ from array import array
arr = array ('i',[10,20,30,40,])
arr.reverse()
print(arr)
```

▼

... array('i', [40, 30, 20, 10])

