

≡ Untitled22.ipynb

+ <> ▾ + ⌂

✓ RAM
Disk

[15]

✓ Os



```
s = "Husri"
print(len(s)) #length of string
print(max(s)) #maximum character
print(min(s)) #minimum character
```

▼ ... 5
u
H

29/1/26



Untitled22.ipynb

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✓ RAM Disk

[4]
✓ 0s

```
name = "Husna"  
  
for ch in name:  
    print(ch)
```

H
u
s
n
a

↑ ↓ ✎ 🗑 ⏮

[7]
✓ 0s



```
name = "Husna"  
print (name)
```

▼

... Husna

29/1/26



Untitled19.ipynb

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RAM
Disk

▼ ^

↳ ↵

✓ 5s

Enter number: 8

64

[16]

✓ 0s

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

▼

15 5

↑ ↓ ✎ 🗑 ⏮

[17]

✓ 0s

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

▼

... 24

28/1/26

What can I help you build?



Gemini 2.5 Flash ▾ ➤



≡ Untitled19.ipynb

+ < > ▾ + ↵

✓ RAM
Disk

[8]

✓ 5s

```
def square(num):  
    return num * num  
n = int(input("Enter number: "))  
print(square(n))
```

▼

Enter number: 8

64

↑ ↓ ⚡ 🗑️ ⋮

[16]

✓ 0s



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

▼

... 15 5

28/1/26

Untitled19.ipynb

+ <> ▾ + ⌂

✓ RAM [██████] ▾ ^

[1]
✓ 0s

```
def add (a,b):  
    return a + b  
print(add(1,20))
```

21

↑ ↓ ✎ 🗑 ⋮

[7]
✓ 0s

```
def myFun(x,y =50):  
    print("x : ",x)  
    print("y : ",y)  
myFun(10)
```

▼

... x : 10
y : 50

28/1/26

What can I help you build?

+

Gemini 2.5 Flash ▾ ▶



Untitled16.ipynb

+ <> ▾ + ⌂

✓ RAM Disk

↑ ↓ ✎ ⚡ ⌂

[53]

✓ 0s

```
num = 345
total = 0

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

print(total)
```

▼

... 12

27/1/26

Colab paid products - [View contracts here](#)

Scanned with OKEN Scanner

Scanned with OKEN Scanner

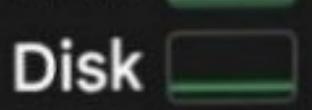
Scanned with OKEN Scanner

Untitled16.ipynb

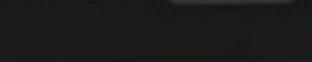
+ <> ▾ + ↻



RAM



Disk



▼ ▲

1

↑ ↓ ✎ 🗑 ⏮

[39]

✓ 0s



```
word = "CODE"
array = ['a', 'b', 'c', 'd']
for song in array:
    print(song)
```

▼ ... a
b
c
d

23/1/26

Colab paid products  cancel contracts here

Untitled16.ipynb

+ <> ▾ + ⌂

✓ RAM Disk

2
3
4
5
6
7
8
9

↑ ↓ ✎ 🗑 :

[35]
✓ 0s

▶ for i in range(10,0,-1):
 print(i)

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

23/1/26



Untitled16.ipynb

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✓ RAM [] Disk [] ▾ ▾

3
4
5
6
7
8
9

[30]
✓ 0s



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

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

23/1/26



Untitled16.ipynb

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✓ RAM Disk

8
10

[26] ✓ 0s
for i in range(5,10):
 print(i)

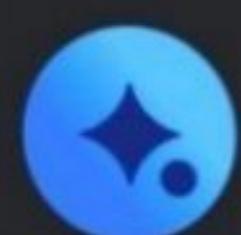
5
6
7
8
9

[27] ✓ 0s
for i in range(10):
 print(i)

... 0
1
2
3
4
5
6
7
8
9



23/1/26



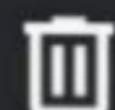
[8]
✓ 0s



```
i = 1
while i<=5:
    print(i)
    i += 1
```

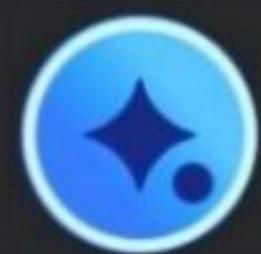


... 1
2
3
4
5



23/1/26

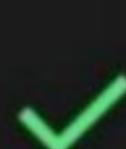
Toggle Gemini





Untitled15.ipynb

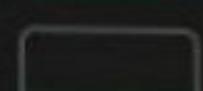
+ <> ▾ + T



RAM



Disk



final amount: 5250.0

[13]

✓ 38s



↑ ↓ ✎ 🗑 :

```
amt= int(input ("Enter order am  
Gold=int(input("Gold member (1  
dis=int(input("Enter distance i  
if dis > 10:  
    print("Delivery charged")  
elif amt>=500 or Gold ==1:  
    print("Free Delivery")  
else:  
    print("Delivery charged")
```



... Enter order amount: 600
Gold member (1 for yes,0 for
Enter distance in km: 7
Free Delivery

22/1/26



Untitled15.ipynb

+ <> ▾ + T



RAM



Disk



Allowed

↑ ↓ ✎ 🖌 :

[9]
✓ 19s



```
Bill = float(input("Enter bill amount:"))
Prime = int(input("prime number(1 for yes, 0 for no):"))
if Bill >= 5000:
    discount = 20
elif Bill >= 2000:
    discount = 10
else:
    discount = 0
if Prime == 1:
    discount += 5
print("final amount:", Bill - (Bill * discount))
```

... Enter bill amount: 7000
prime number(1 for yes, 0 for no): 1
final amount: 5250.0



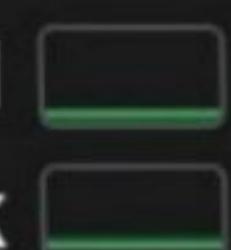
Untitled15.ipynb

+ <> ▾

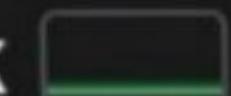
+ tT



RAM



Disk



Allowed



[9]
✓ 19s



```
Bill = float(input("Enter bill amount:"))
Prime = int(input("prime number(1 for yes, 0 for no):"))
if Bill >= 5000:
    discount = 20
elif Bill >= 2000:
    discount = 10
else:
    discount = 0
if Prime == 1:
    discount += 5
print("final amount:", Bill - (Bill * discount))
```



... Enter bill amount: 7000
prime number(1 for yes, 0 for no): 1
final amount: 5250.0

22/1/26

+ < > ▾ + T

✓ RAM Disk

[6]
✓ 16s

◆ Gemini

```
attendance = float(input("Enter attendance percentage: "))
Medical=int(input("Medical certificate(1 for yes or 0 for no): "))
if attendance >=75:
    print("Allowed")
elif attendance >=60 and Medical==1:
    print("Allowed")
else:
    print("Not allowed")
```

... Enter attendancepercentage: 6
Medical certificate(1 for yes or 0 for no): 1
Allowed

22/1/26



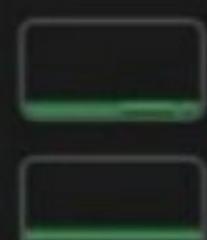


Untitled15.ipynb

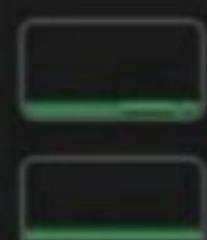
+ <> - + T



RAM



Disk



[3]
✓ 10s



```
age=int(input("Enter your age:"))
is_3D=int(input("Enter 1 if you
if age<13:
    price=150
elif age<=59:
    price=250
else:
    price=200
if is_3D==1:
    price=price+50
print("final ticket price =₹",
```



... Enter your age:19
Enter 1 if your watching 3D e
final ticket price =₹ 300

22/1/26

Untitled14.ipynb

+ < > ▾ + ⌂

✓ RAM [] ▾ ^

Disk []

[1]

✓ 15s

```
bill = 100 * 2 + 100 * 3 +  
print("Final bill amount =", bi)
```

▼

```
Enter units: 200  
Final bill amount = 500
```

↑ ↓ ✎ 🗑 :

[2]

✓ 8m

```
marks = int(input("Enter marks:  
income = int(input("Enter family  
single_parent = int(input("Singl
```

```
if marks >= 85:  
    if single_parent == 1:  
        print("Scholarship grant")  
    elif income < 500000:  
        print("Scholarship grant")  
    else:  
        print("Scholarship not granted")  
else:  
    print("Scholarship not granted")
```

▼

```
... Enter marks: 95  
Enter family income: 65000  
Single parent (1-Yes, 0-No):  
Scholarship granted
```

21/1/26

What can I help you build?

+

Gemini 2.5 Flash ▾ ➤



Untitled8.ipynb

+ <> + ↵

✓ RAM Disk

Bonus: 8000.0

```
[ ] salary = int(input("Enter salary"))
experience = int(input("Enter years of experience"))

bonus = 0
total_salary = salary

if salary < 20000 and experience < 5:
    bonus = salary * 0.10
    total_salary = salary + bonus

elif salary >= 20000 and experience >= 5:
    bonus = salary * 0.20
    total_salary = salary + bonus

print("Salary:", salary)
print("Bonus:", bonus)
print("Total Salary:", total_salary)
```

Enter salary: 40000
Enter years of experience: 7
Salary: 40000
Bonus: 8000.0
Total Salary: 48000.0

[7]
✓ 18s

```
▶ num = int(input("Enter a number"))

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

▼

... Enter a number: 9
Special Number

171



Untitled8.ipynb

+ <> + ↵

✓ RAM Disk

Bonus: 8000.0

```
[ ] salary = int(input("Enter salary"))
experience = int(input("Enter years of experience"))

bonus = 0
total_salary = salary

if salary < 20000 and experience < 5:
    bonus = salary * 0.10
    total_salary = salary + bonus

elif salary >= 20000 and experience >= 5:
    bonus = salary * 0.20
    total_salary = salary + bonus

print("Salary:", salary)
print("Bonus:", bonus)
print("Total Salary:", total_salary)
```

Enter salary: 40000
Enter years of experience: 7
Salary: 40000
Bonus: 8000.0
Total Salary: 48000.0

[7]
✓ 18s

▶ num = int(input("Enter a number"))

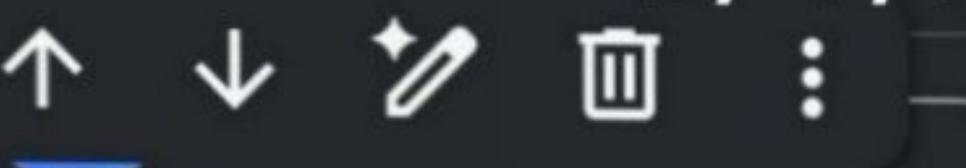
if num % 3 == 0 and num % 5 != 0:
 print("Special Number")
else:
 print("Not a Special Number")

▼

... Enter a number: 9
Special Number

9/1/26

171



Untitled8.ipynb

+ < > ▾ + T

✓ RAM
Disk

✓ 10s

Enter a number: 9
... Special Number

↑ ↓ ✎ ⌫ :

[14]
✓ 8s



```
hour=int(input("Enter a number(0-23): "))
if hour>=5 and hour<=11:
    print("Good morning ")
elif hour>=12 and hour<=16:
    print("Good afternoon ")
elif hour>=17 and hour<=20:
    print("Good evening ")
else:
    print("Good night")
```

▼

... Enter a number(0-23): 23
Good night

9/1/26

Untitled8.ipynb

+ <> ▾ + ↵

RAM Disk

[4] ✓ 9s

```
num = int(input("Enter a number\n\nif num % 3 == 0 and num % 5 !=\n    print("Special Number")\nelse:\n    print("Not a Special Number\n\n... Enter a number: 9\nSpecial Number
```

9/1/26

Colab paid products  cancel contracts here

Untitled8.ipynb

+ <> ▾ + ↻



RAM

Disk

▼

^

[29]

✓ 3m



```
salary =  salary  
experience = int(input("Enter y  
  
if salary < 20000 and experienc  
    bonus = salary * 0.10  
    print("Bonus:", bonus)  
  
elif salary >= 20000 and experienc  
    bonus = salary * 0.20  
    print("Bonus:", bonus)  
  
else:  
    print("No bonus")
```



```
... Enter salary: 20000  
Enter years of experience: 2  
No bonus
```

9/1/26



Untitled8.ipynb

+ <> ▾ + ⌂



RAM

Disk

^

[25]
✓ 33s

```
a = int(input("Enter side 1: "))
b = int(input("Enter side 2: "))
c = int(input("Enter side 3: "))

if a <= 40 or b <= 40 or c <= 45
    print("Invalid")
elif a + b <= c or a + c <= b or
    print("Invalid")
else:
    if a == b and b == c:
        print("Equilateral")
    elif a == b or b == c or a =
        print("Isosceles")
    else:
        print("Scalene")
```

... Enter side 1: 40
Enter side 2: 40
Enter side 3: 45
Invalid

9/1/26



Untitled8.ipynb

+ <> + T



RAM

Disk



✓ 32s

Enter your marks: 45
Grade D

↑ ↓ ✎ 🖌 :

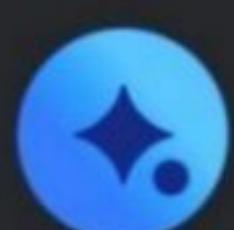
[24]

✓ 14s

```
|a = int(input("Enter side 1: "))  
|b = int(input("Enter side 2: "))  
|c = int(input("Enter side 3: "))  
  
if a <= 0 or b <= 0 or c <= 0:  
    print("Invalid")  
elif a + b <= c or a + c <= b or  
    print("Invalid")  
else:  
    if a == b and b == c:  
        print("Equilateral")  
    elif a == b or b == c or a ==  
        print("Isosceles")  
    else:  
        print("Scalene")
```

... Enter side 1: 6
Enter side 2: 7
Enter side 3: 9
Scalene

9/1/26



Untitled8.ipynb

+ <> - + T RAM Disk

[13] print("Fail")
✓ 32s

Enter your marks: 45
Grade D

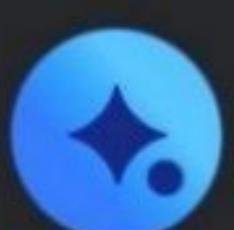
[23] ✓ 18s

▶ a = int(input("Enter side 1: "))
b = int(input("Enter side 2: "))
c = int(input("Enter side 3: "))

if a <= 0 or b <= 0 or c <= 0:
 print("Invalid")
elif a + b <= c or a + c <= b or
 b + c <= a:
 print("Invalid")
else:
 if a == b and b == c:
 print("Equilateral")
 elif a == b or b == c or a == c:
 print("Isosceles")
 else:
 print("Scalene")

... Enter side 1: 5
Enter side 2: 5
Enter side 3: 7
Isosceles

9/1/26



Untitled8.ipynb

+ <> ▾ + T

✓ RAM Disk

[13]

✓ 32s else:

```
    print("Fail")
```

▼ Enter your marks: 45
Grade D

↑ ↓ ✎ 🗑 ⏮

[22]

✓ 27s

```
▶ a = int(input("Enter side 1: "))
b = int(input("Enter side 2: "))
c = int(input("Enter side 3: "))

if a <= 0 or b <= 0 or c <= 0:
    print("Invalid")
elif a + b <= c or a + c <= b or
    print("Invalid")
else:
    if a == b and b == c:
        print("Equilateral")
    elif a == b or b == c or a =
        print("Isosceles")
    else:
        print("Scalene")
```

▼

... Enter side 1: 5
Enter side 2: 5
Enter side 3: 5
Equilateral

9/1/26



Untitled8.ipynb

+ <> ▾ + ⚡

✓ RAM [] Disk [] ▾ ^

[]

Grade calculator (Nested conditions)

input marks(0-100):

>

◆ Gemini

↑ ↓ ✎ 🗑️ :

[19]
✓ 32s

```
marks = int(input("Enter your marks: "))

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

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

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

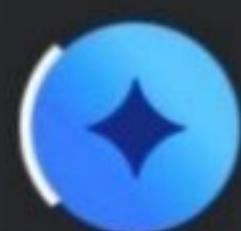
elif marks >= 60:
    print("Grade C")

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

else:
    print("Fail")
```

... Enter your marks: 45
Grade D

9/1/26





[3]

✓ 7s



```
marks = int(input("Enter marks\n\nif marks < 0 or marks > 100:\n    print(\"Invalid marks\")\nelse:\n    if marks >= 90:\n        print(\"Grade A\")\n    elif marks >= 75:\n        print(\"Grade B\")\n    elif marks >= 60:\n        print(\"Grade C\")\n    elif marks >= 40:\n        print(\"Grade D\")\n    else:\n        print(\"Fail\")
```



... Enter marks (0-100): 75
Grade B

9/1/26



+ < > ▾ + ⌂



RAM

Disk

[6]
✓ 0s

▶ a=10
b=20
print(not a>b)

True

[]

a=20
b=40
print(a>b)

[8]
✓ 22s

▶ #write a program to check if st
#exactly 2 subjects
#without using control statemen
#Each subject>=35(pass)
#Take 3 inputs from user m1, m2
#output:True/Flase

m1 = int(input("Enter marks of
m2 = int(input("Enter marks of
m3 = int(input("Enter marks of

result = (m1 >= 35) + (m2 >= 35)

print(result)|



... Enter marks of subject 1: 30
Enter marks of subject 2: 40
Enter marks of subject 3: 50
True

3/1/26





Untitled5.ipynb

+ <> ▾ + ™



RAM
Disk

▼ ^

[6]
✓ 0s



```
a=10  
b=20  
print(not a>b)
```

↑ ↓ ✎ ⚡ ⏺ :

▼ ... True

3/1/26

Untitled4.ipynb

+ <> ▾ + ⌂

✓ RAM [██████] ▾ Disk [██████]

[1]

✓ 0s



```
# Logical NOT
print("NOT a =", not a)
print("NOT b =", not b)
```

▼

```
a AND b = False
a OR b = True
NOT a = False
NOT b = True
```

↑ ↓ ✎ 🗑️ :

[3]

✓ 22s



```
#write a program to check if st
#all 3 subjects
#without using control statemen
#Each subject>=35(pass)
#Take 3 inputs from user m1,m2,
#output:True/False
```

```
m1 = int(input("Enter marks of
m2 = int(input("Enter marks of
m3 = int(input("Enter marks of
```

```
result = (m1 >= 35) and (m2 >=
```

```
print("Passed all subjects:", r
```

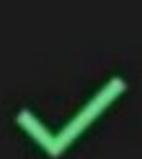
▼

```
... Enter marks of subject 1: 50
Enter marks of subject 2: 70
Enter marks of subject 3: 80
Passed all subjects: True
```

2/1/26

Untitled4.ipynb

+ <> ▾ + T



RAM
Disk

[1]
✓ Os



Logical Operations Program

```
a = True  
b = False
```

```
# Logical AND  
print("a AND b =", a and b)
```

```
# Logical OR  
print("a OR b =", a or b)
```

```
# Logical NOT  
print("NOT a =", not a)  
print("NOT b =", not b)
```

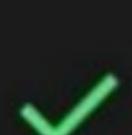


... a AND b = False
a OR b = True
NOT a = False
NOT b = True

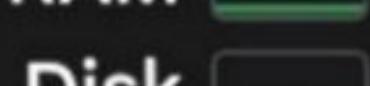
2/1/26

≡ Untitled3.ipynb

+ <> ▾ + ↻



RAM



Disk



[8]

✓ 0s

```
a=10  
print(a<0)
```



False

[12]

✓ 0s

```
#output  
#Give number lies between 10,20  
a=17  
print(a>10,a<20)
```



True True



[13]

✓ 0s

```
# a number>10 and check if unit  
# Ex: number = 3568  
# ouput : True
```

```
number = 3568
```

```
result = number > 10 and (number % 10 == 0)  
print(result)
```



... True

29/12/25

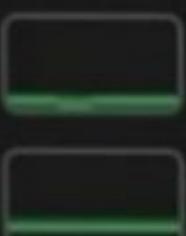


Untitled3.ipynb

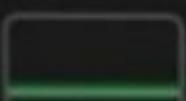
+ <> ▾ + ⌂



RAM



Disk



[5]

✓ 0s



```
num=5  
Power=2  
result=num**Power  
print(result)
```

25



[6]

✓ 0s



```
#Average of Subjects  
m1=70  
m2=87  
m3=90  
m4=97
```

```
avg=(m1+m2+m3+m4)  
print("avg",avg/4)
```

▼

... avg 86.0

29/12/25



Untitled2.ipynb

+ <> ▾ + ↻



RAM



Disk



Next steps: [Explain error](#)

[6]

✓ 0s

```
student = {"name": "Husna akheel  
print(student)
```



```
{'name': 'Husna akheel', 'age
```

↑ ↓ ✎ 🖌 ⏷ ⏸

[7]

✓ 0s



```
pi=3.14  
r=5  
Area=pi*r*r  
print("Area=", r*pi)
```



```
... Area= 15.700000000000001
```

29/12/25



Untitled1.ipynb

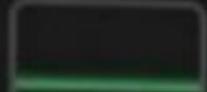
+ <> ▾ + ↗



RAM



Disk



[13]

✓ 0s

```
print(type(b))
print(type(c))
print(d)
```



```
<class 'int'>
<class 'float'>
<class 'complex'>
12
```



[16]

✓ 0s



```
a= 10
b= 15
print(a<b)
```



... True

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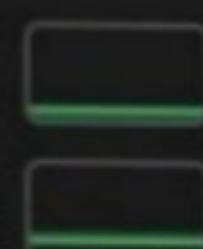


Untitled1.ipynb

+ <> ▾ + T



RAM



Disk



1 2 3



[13]
✓ 0s



```
a= 10
b= 10.5
d= '1'+'2'
c= 1+5j
print(type(a))
print(type(b))
print(type(c))
print(d)
```

...

```
<class 'int'>
<class 'float'>
<class 'complex'>
12
```

24/12/25