

X Untitled8.ipynb -...
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Untitled8.ipynb

+ <> + ↻ RAM Disk

```
✓ 10s ... Enter a number: 9
... Special Number
[14] ✓ 8s ⏪ hour=int(input("Enter a number(
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
```



...

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(India) . ↲



<

 Untitled8.ipynb

+ < > ▾ + T

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")
```



```
... Enter a number: 9
```

```
Special Number
```

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[2]
✓ 11s

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

if marks < 0 or marks > 100:
    print("Invalid marks")
else:
    if 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 marks (0-100): 500
Invalid marks



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RAM

Disk



[29]

✓ 3m

```
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
```



 Untitled8.ipynb

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[11]

```
hour=int(input("Enter a number"))
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): 19
Good evening

◀

elif

else

if

...

1

2

3

4

5

6

7

8

9

0

q

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✖

!#1

@

English(India)

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←



 Untitled8.ipynb

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RAM

Disk



[32]

✓ 8s

```
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 < 10:
    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

 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
```



≡  Untitled2.ipynb

+ <> ▾ + T ✓ 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
```



X V Untitled5.ipynb -...
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≡  Untitled5.ipynb

+ < > ▾ + T ✓ 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



 Untitled3.ipynb + <> ▾ + TRAM
Disk[8]
✓ 0sa=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

heck if unit digit of that numbe



0 and (number % 10) % 2 == 0



True



X V Untitled3.ipynb -...
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≡  Untitled3.ipynb

+ <> ▾ + T ✓ RAM [] Disk []

[7] ✓ Os a=10
print(a>0)
True

[8] ✓ Os a=10
print(a<0)
False

[12] ✓ Os #output
#Give number lies between 10,20
a=17
print(a>10,a<20)
... True True

[]



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Untitled3.ipynb

+ <> ▾ + T



RAM
Disk



```
7 print("Simple  
Intrest: ",SI)
```

NameError: name 'PTR' is not defined

Next steps: Explain error

[5]
✓ 0s

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



25



[]

```
▶ #Average of Subjects  
m1=70  
m2=87  
m3=90  
m4=97  
avg=(m1+m2+m3+m4)  
print
```



Untitled1.ipynb

+ <> ▾ + T ✓ RAM Disk

```
NameError  
Traceback (most recent call  
last)  
/tmp/ipython-input-  
879407204.py in <cell line:  
0>()  
      2 middle="husna"  
      3 last="akheel"  
----> 4  
Print(frist+middle+last)  
  
NameError: name 'Print' is  
not defined
```

Next steps: Explain error

[31]

✓ 0s



```
a=10  
b=20  
print("addition",a+b)  
print("subtraction ",a-b)
```

▼

```
... addition 30  
... subtraction -10
```



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Untitled3.ipynb

+ <> ▾ + T ✓ RAM Disk

[4]
! 0s

```
#simple interest
#Output: Simple Intrest: Value..
p=5000
T=2
R=10
SI=PTR/100
print("Simple Intrest: ",SI)
```

...

```
NameError
Traceback (most recent call
last)
/tmpp/ipython-input-
2246776024.py in <cell line:
0>()
    4 T=2
    5 R=10
----> 6 SI=PTR/100
    7 print("Simple
Intrest: ",SI)
```

NameError: name 'PTR' is not
defined

Next steps: Explain error



X Untitled4.ipynb -...
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Untitled4.ipynb

+ <> ▾ + ↗ ✓ RAM [] Disk []

[3]

✓ 22s 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
```

[4]

✓ 6s ⏴ m1 = int(input("Enter marks of s
m2 = int(input("Enter marks of s
m3 = int(input("Enter marks of s

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

```
print(result)#write a program to  
#exactly 2 subjects  
#without using control statement  
#Each subject>=35(pass)  
#Take 3 inputs from user m1, m2,  
#output:True/Flase
```

▼

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



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≡  Untitled1.ipynb

+ <> ▾ + T ✓ RAM [] Disk []

[13] ✓ 0s
print(type(a))
print(type(c))
print(d)

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

[16] ✓ 0s
 ↑ ↓ ⚡ 🗑️ ⋮
a= 10
b= 15
print(a<b)
▼ ... True



Untitled4.ipynb

+ <> ▾ + T

✓ RAM Disk

[1]

✓ Os



```
# 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
```

Untitled4.ipynb

<> +

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

Untitled1.ipynb

+ <> ▾ + T ✓ RAM Disk

[24]

✓ Os



```
color= ("red", "blue","blue", "  
print(color)
```

▼

```
('red', 'blue', 'blue', 'gree
```

[29]

✓ Os



```
Fristname= "shaik"  
Middlename="husna"  
Lastname="akheel"  
Fullname=Fristname+Middlename+La  
print(Fullname)
```

▼

```
... shaikhushnaakheel
```



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+ < > ▾ + T ✓ 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 >= 7:
    bonus = salary * 0.10
    total_salary = salary + bonus

elif salary >= 20000 and experience >= 10:
    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

↑ ↓ ✎ ⌂ ⌃

 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
```



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+ <> + T ✓ RAM Disk

[13]

✓ 32s

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

▼

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



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✓ 7s

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

if marks < 0 or marks > 100:
    print("Invalid marks")
else:
    if 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 marks (0-100): 75
Grade B



...

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(India) . ⌄



 Untitled8.ipynb

+ <> RAM Disk

[] Grade calculator (Nested condition)
input marks(0-100):
>[19]
✓ 32s

◆ Gemini

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

 Untitled8.ipynb

+ <> ▾ + ↗ 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



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+ <> ▾ + 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  
    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: 5  
Equilateral
```

