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RAM

Disk



#1.Develop a code for given scenario

year=int(input("Enter a value for year==>

if year%12==0 :

print("Monkey")

elif year%12==1:

print("Rooster")

elif year%12==2:

print("Dog")

elif year%12==3:

print("Pig")

elif year%12==4:

print("Rat")

elif year%12==5:

print("Ox")

elif year%12==6:

print("Tiger")

elif year%12==7:

print("Rabbit")

elif year%12==8:

print("Dragon")

elif year%12==9:

print("Snake")

elif year%12==10:

print("Horse")

else:

print("Sheep")



Enter a value for year==>24

Monkey





RAM

Disk



[]

Enter a value for year==>24



Monkey



#2.calculating charge based on kilometer

km=int(input("Enter distance to be trave

weight=int(input("Enter Weight of goods=

if km>=500:

if weight>=100:

amount=km*5

elif weight<100 and weight>=10:

amount=km*6

else:

amount=km*7

else:

if weight>=100:

amount=km*8

else:

amount=km*5

print("Amount to be charged : ",amount)



Enter distance to be travelled==>520

Enter Weight of goods==>50

Amount to be charged : 3120





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RAM

Disk



#3. Entertainment paradise

```
seat=input("Select type of seat u want==>")
pay=input("Select cash or creditcard==>")
if seat=="Stalls":
    a=625
elif seat=="Circle":
    a=750
elif seat=="Upperclass":
    a=850
else :
    a=100
if pay=="cash":
    t=a-(a*10//100)
else:
    t=a-(a*5//100)
print("Cost of ticket : ",t)
```



```
Select type of seat u want==>Circle
Select cash or creditcard==>cash
Cost of ticket : 675
```



Vol
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LTE

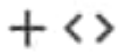
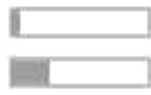
1

6%

7:53 pm

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RAM
Disk

```
#4.calculate energy needed to heat  
m=int (input ("Enter mass of water'  
ft=int (input ("Enter final tempera  
st=int (input ("Enter initial tempe  
q=m*(ft-st)*4184  
print ("Energy needed to heat water
```



```
er mass of water10  
er final temperature9  
er initial temperature4  
rgy needed to heat water: 209200
```

3:18

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Disk

```
#5.enter month and print season
month=input("Enter month name:")
if month=="December" or month=="January" or month=="February":
    print("Winter")
elif month=="March" or month=="April" or month=="May":
    print("Spring")
elif month=="June" or month=="July" or month=="August":
    print("Summer")
else:
    print("Autumn")
```

Enter month name:October
Autumn



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RAM

Disk



```
[ ] Select type of seat u want==>Circle  
    Select cash or creditcard==>cash  
    Cost of ticket : 675
```



#6.Calculate BMI

```
wt=int(input("Enter weight in pounds-->")  
h=int(input("Enter height in inches-->")  
wt_kg=float(wt*0.45359237) #converting t  
h_m=float(h*0.0254 )#converting to metre  
bmi=float(wt_kg/h_m*h_m**2)  
if bmi>30:  
    print("Obese")  
elif 25.0<=bmi<30.0:  
    print("Over weight")  
elif 18.5<=bmi<25.0:  
    print("Normal")  
else:  
    print("Under weight")
```



```
Enter weight in pounds-->100  
Enter height in inches-->20  
Normal
```




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RAM

Disk



```
print(sum,end=" ")
```

[]



1 2 3 4 5 6 7 8 9 11 22 33 44 55 66 77



#7.Sum of digits of a number between 100

n=int(input("Enter a number between 100

if n>=100 and n<=1000:

sum=0

while n>0:

r=n%10

sum=sum+r

n=n//10

print(sum)



Enter a number between 100 and 1000:111

3

[]

#9.Armstrong numbers between 1 and 1000

for i in range(1,1001):

sum=0

temp=i

while i>0:

r=i%10

sum+=r*r*r

i=i//10

if sum==temp:

print(temp,end=" ")



1 153 370 371 407



1:36

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```
#8.palindrome number between 1 and 1000
for i in range(1,1001):
    temp=i
    sum=0
    while i>0:
        r=i%10
        sum=sum*10+r
        i=i//10

    if sum==temp :
        print(sum,end=" ")
```

1 2 3 4 5 6 7 8 9 11 22 33 44 55 66 77 88 99 101 111 121 131 141 151 161 171 181 191 201

1:36

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```
#8.palindrome number between 1 and 1000
for i in range(1,1001):
    temp=i
    sum=0
    while i>0:
        r=i%10
        sum=sum*10+r
        i=i//10

    if sum==temp :
        print(sum,end=" ")
```

202 212 222 232 242 252 262 272 282 292 303 313 323 333 343 353 363 373 383 393 404 41

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```
#8.palindrome number between 1 and 1000
for i in range(1,1001):
    temp=i
    sum=0
    while i>0:
        r=i%10
        sum=sum*10+r
        i=i//10

    if sum==temp :
        print(sum,end=" ")
```

5 545 555 565 575 585 595 606 616 626 636 646 656 666 676 686 696 707 717 727 737 747 757

1:36

VoLTE 4G+ 53%

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Disk

```
#8.palindrome number between 1 and 1000
for i in range(1,1001):
    temp=i
    sum=0
    while i>0:
        r=i%10
        sum=sum*10+r
        i=i//10

    if sum==temp :
        print(sum,end=" ")
```

787 797 808 818 828 838 848 858 868 878 888 898 909 919 929 939 949 959 969 979 989 999



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RAM

Disk



```
#10.print FIZZ(divisible by 3)BUZZ(divis
for i in range(1,101):
    if i%3==0 and i%5==0:
        print("FIZZ BUZZ")
    elif i%3==0:
        print("FIZZ")
    elif i%5==0:
        print("BUZZ")
    else:
        print(i)
```



```
1
2
FIZZ
4
BUZZ
FIZZ
7
8
FIZZ
BUZZ
11
FIZZ
13
14
FIZZ BUZZ
16
17
FIZZ
19
BUZZ
FIZZ
22
23
FIZZ
BUZZ
26
FIZZ
28
```





RAM

Disk



```
#10.print FIZZ(divisible by 3)BUZZ(divis
for i in range(1,101):
    if i%3==0 and i%5==0:
        print("FIZZ BUZZ")
    elif i%3==0:
        print("FIZZ")
    elif i%5==0:
        print("BUZZ")
    else:
        print(i)
```



```
FIZZ BUZZ
31
32
FIZZ
34
BUZZ
FIZZ
37
38
FIZZ
BUZZ
41
FIZZ
43
44
FIZZ BUZZ
46
47
FIZZ
49
BUZZ
FIZZ
52
53
FIZZ
BUZZ
56
FIZZ
58
```





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RAM

Disk



62

FIZZ



64

BUZZ

FIZZ

67

68

FIZZ

BUZZ

71

FIZZ

73

74

FIZZ BUZZ

76

77

FIZZ

79

BUZZ

FIZZ

82

83

FIZZ

BUZZ

86

FIZZ

88

89

FIZZ BUZZ

91

92

FIZZ

94

BUZZ

FIZZ

97

98

FIZZ

BUZZ



6:15

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```
#11.count number of steps to come out of well
#output2 200 50 1. (s1=u,s2=d)
h=int(input("Enter height of the well"))
s1=int(input("climbs up in each step"))
s2=int(input("slips down "))
s=s1-s2 #spider is at s distance after slipping one step
s=s+s1 #adding last step
step=2 #first and last step
while s<=h:
    s=s+s1
    s=s-d
    step=step+1
print(step)
```

```
Enter height of the well200
climbs up in each step50
slips down 1
5
```


6:18

Vol 4G+ 22%

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Disk

```
#11.count number of steps to come out of well
#output2 500 20 15 (s1=u,s2=d)
h=int(input("Enter height of the well"))
s1=int(input("climbs up in each step"))
s2=int(input("slips down "))
s=s1-s2 #spider is at s distance after slipping one step
s=s+s1 #adding last step
step=2 #first and last step
while s<=h:
    s=s+s1
    s=s-s2
    step=step+1
print(step)
```

```
Enter height of the well500
climbs up in each step20
slips down 15
98
```