Untitled

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Initializing

```
[ ] #question:1
    Year=int(input("Enter year : "))
    if Year%12==0:
       print("monkey")
    elif Year%12==1:
       print("roosteer")
    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 year : 2020
rat
```

```
#question:2
D=int(input("Distance to be travelled :
W=int(input("weight of the goods : "))
if D>=500:
    if W>=100:
        Amount=5*Distance
        print("Amount to be charged : ",A
    elif W>=10 and W<=100:
        Amount=6*D
        print(" Amount to be charged : ",
    elif D<=500:
      if W>=100:
          Amout=8*D
          print("Amount to be charged :"
      elif W>100:
          Amount=6*D
          print(" Amount to be charged :
      else:
          print("Invalid")
```

```
Distance to be travelled : 520
weight of the goods : 50
 Amount to be charged :  3120
```

```
[ ] #question:3
    T=input("Type of seat:")
    P=input("Payment mode:")
    if T=="stall":
       X=625
    elif T=="circle":
       X=750
    elif T=="upper class":
       X=850
    elif T =="Box":
       X=1000
    else:
       print("Invalid")
    if P=='cash':
       Q=X-(X*10//100)
    else:
       Q=X-(X*5//100)
    print("cost of ticket is :",Q)
```

```
Type of seat:circle
Payment mode:cash
cost of ticket is : 675
```

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RAM
Disk

```
#question:4
M=float(input("Enter amount of water ir
IT=float(input("Enter Initial Temperatu
FT=float(input("Enter Final Temperature
Q=M*(FT-IT)*4184
print(f"Energy required to heat water =
```

```
Enter amount of water in kg :8.0
Enter Initial Temperature of water i
Enter Final Temperature of water in
Energy required to heat water =63596
```

```
#question:5
Month=input("Enter Month :")
if Month=="January" or Month=="February
  print("winter ")
elif Month=="March" or Month=="April" c
  print("spring")
elif Month=="June" or Month=="July" or
  print("summer")
else:
  print(" autumn ")
```

```
Enter Month :November
 autumn
```

```
[ ] #question:6
    W=float(input("enter the weight in pour
    M=0.45359237*W
    h=float(input("enter the height in inch
    i=0.0254*h
    BMI=(M/(i**2))
    print(BMI)
    if (BMI<18.5):
       print("underweight")
    elif (BMI>18.5 and BMI<25.0):
       print("Normaly")
    elif (BMI>25.0 and BMI<30.0):
       print("overweight")
    else:
       print("obese")
```

```
enter the weight in pounds:18
enter the height in inches:20
31.638131083762172
obese
```

```
[ ] #question:7
    Num=int(input("Enter an integer betweer
    Sum=0
    while (Num>0):
          rev=Num%10
          Num=Num//10
          Sum=Sum+rev
    print(Sum)
```

```
Enter an integer between 100 to 1000
16
```

```
[ ] #question:8
    for i in range(1,1001):
       temp=i
       sum=0
       while i>0:
            Rev=i%10
            sum=sum*10+Rev
            i=i//10
       if sum==temp:
            print(sum, end=" ")
```

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

```
[ ] #question:9
    for i in range(1,1001):
        sum=0
        temp=i
        while i>0:
            Rev=i%10
            i=i//10
            sum=sum+Rev*Rev*Rev
        if sum==temp:
            print(temp,end=" ")
```

```
1 153 370 371 407
```

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Connecting

```
#question:10
num=100
for num in range(1,101):
    if num%3==0 and num%5==0:
        print("fizzbuzz")
    elif num%3==0:
        print("fizz")
    elif num%5==0:
        print("buzz")
    else:
        print("....")
```

```
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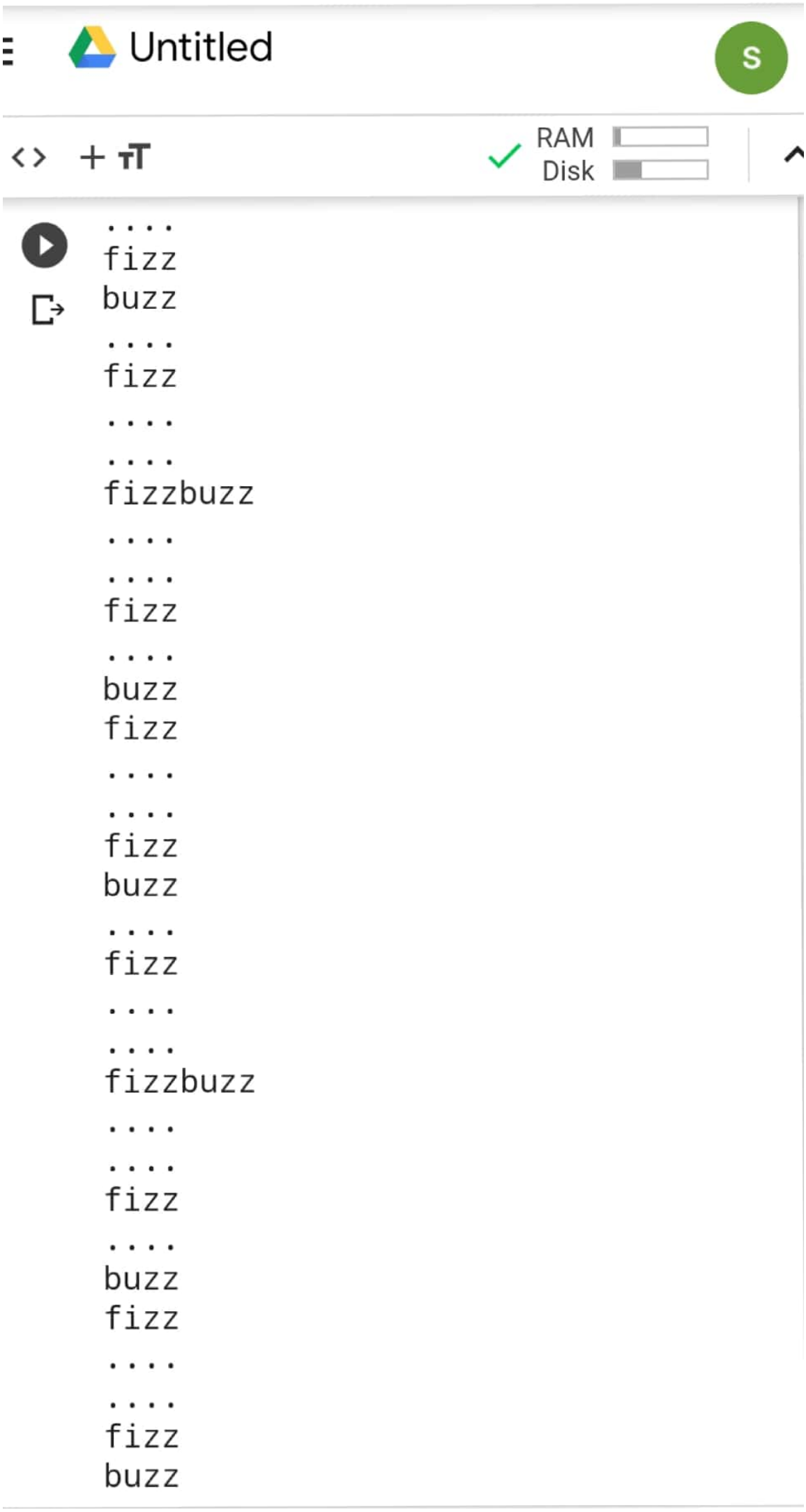

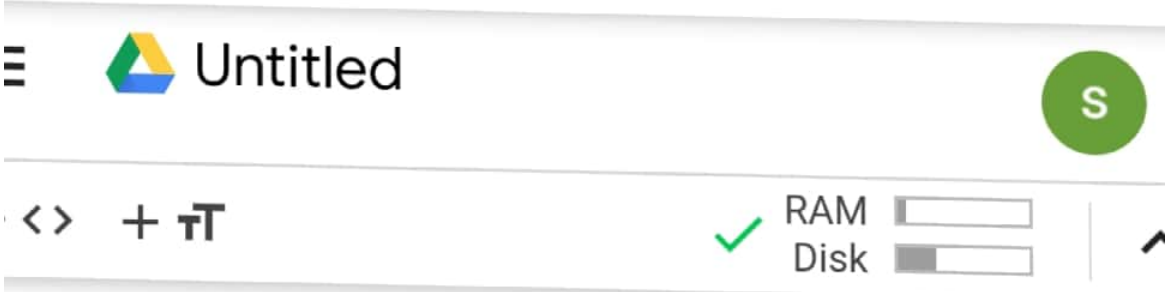


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RAM
Disk

```
[ ] #question:11
    H=int(input("Enter height of the well:"
    U=int(input("Enter the meters which is
    D=int(input("Slips down:"))
    step=(H-U+(U-D))//(U-D)
    print(step+1)
```

```
Enter height of the well:200
Enter the meters which is climbed:50
Slips down:1
5
```