

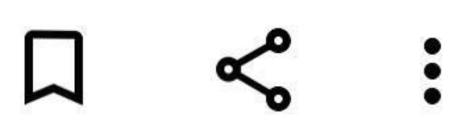


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```
year=int(input("Enter the year"))
if year%12==0:
   print("monkey")
elif year%12==1:
   print("rooster")
elif year%12==2:
   print("dog")
elif year%12==3:
  print("pig")
elif year%12==4:
   print("rat")
elif year%12==5:
   print("ox")
elif year%12==6:
   print("rabbit")
elif year%12==7:
   print("tiger")
elif year%12==8:
   print("dragon")
elif year%12==9:
   print("snake")
elif year%12==10:
   print("horse")
else:
   print("sheep")
```

Enter the year2012 dragon

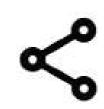


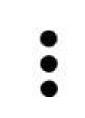
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```
d=int(input("Distance to be travel]
w=int(input("weight of the goods :'
if d > = 500:
   if w > = 100:
      Amount = 5*distance
      print("Amount to be charged:
   elif w>=10 or w<100:
       Amount =6*d
       print("Amount to be charged
   elif d<500 :
       if w > = 100:
        Amount =8*d
        print("Amount to be charged
   elif w<100 :
        Amount =5*d
        print("Amount to be charged
   else:
        print("invalid")
Distance to be travelled :520
weight of the goods :50
Amount to be charged : 3120
```







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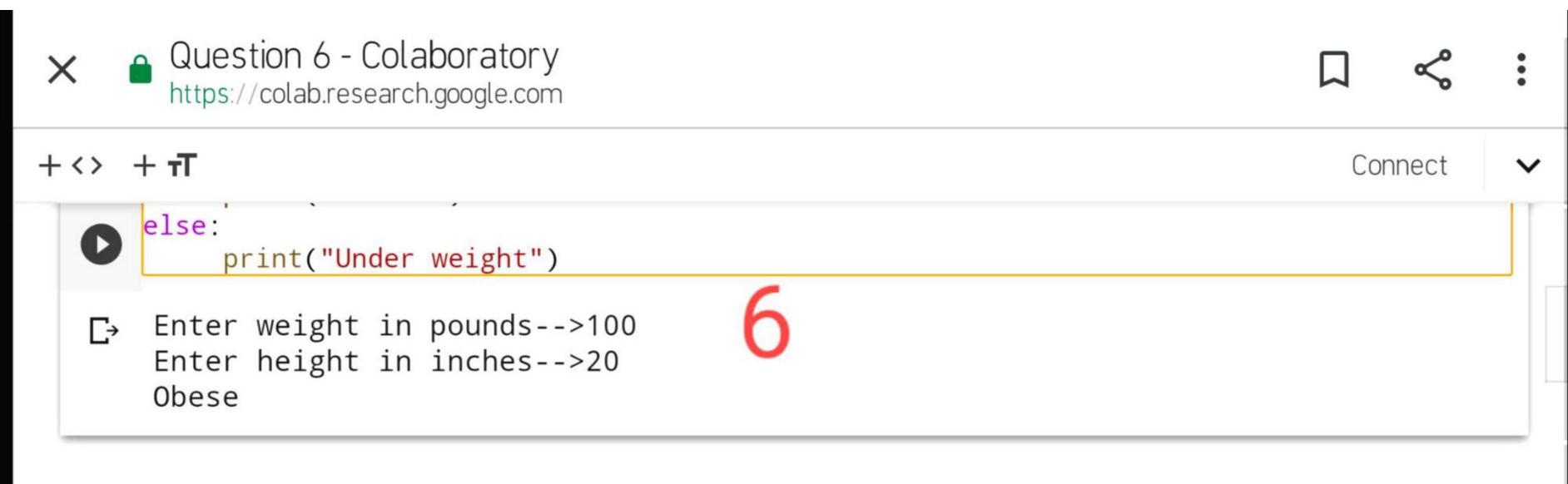


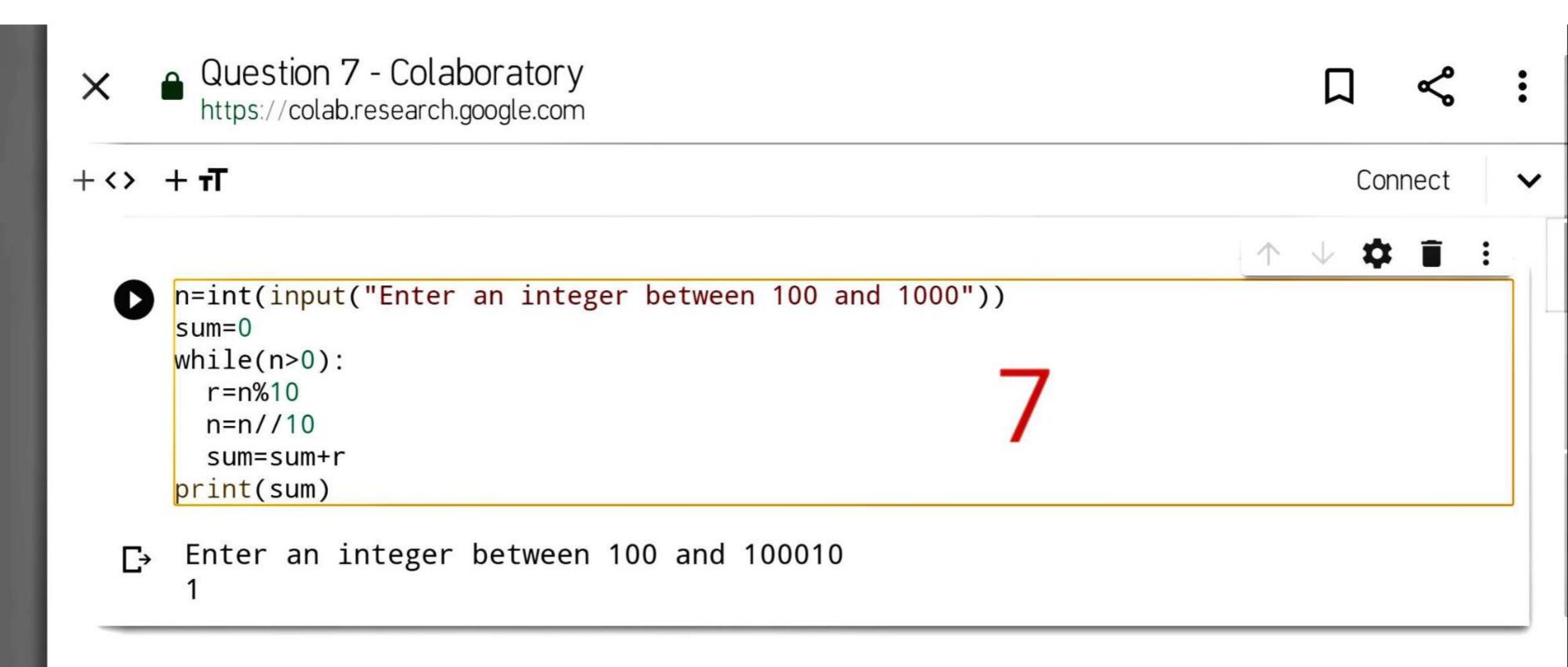
```
T=input("Type of seat:")
p=input("Payment mode:")
if T=="stall":
   cot=625
elif T=="circle":
   cot=750
elif T=="upper class":
   cot=850
elif T =="Box":
   cot = 1000
else:
   print("invalid")
if p=='cash':
   cot = (cot - (cot * 10) / / 100)
else:
   cot = (cot - (cot *5) / / 100)
print("cost of ticket :",cot)
```

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



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Question 6 - Colaboratory
        https://colab.research.google.com
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      wt=int(input("Enter weight in pounds-->"))
      h=int(input("Enter height in inches-->"))
       wt_kg=float(wt*0.45359237) #converting to pounds
       h_m=float(h*0.0254 )#converting to metre
       bmi=float(wt_kg/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")
```





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Question 8 - Cola... slab.research.google.com
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```
for n in range (1,1000):
    temp=n
    sum=0
    while n>0:
        R=n%10
        sum=sum*10+R
        n=n//10
    if sum==temp:
        print(sum,end=" ")
```





```
for n in range (1,1000):
    sum=0
    temp=n
    while n>0:
        R=n%10
        n=n//10
        sum+=R*R*R
    if sum==temp:
        print(temp,end=" ")

1 153 370 371 407
```

```
Question 10 - Col...

plab.research.google.com
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```
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)
C→
    Buzz
    Fizz
    8
    Fizz
    Buzz
    Fizz
    13
    14
    fizz buzz
    16
    17
    Fizz
    19
    Buzz
    Fizz
    22
    23
    Fizz
    Buzz
    26
```

Fizz

