

```

# Accept a year from the user
#Q1
year = int(input("Enter a year: "))
if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
    print("-----")
    print(year, "is a leap year.")
    print("-----")
else:
    print("-----")
    print(year, "is not a leap year.")
    print("-----")

```

output:

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Enter a year: 2024
-----
2024 is a leap year.
-----

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#Q2
#sum of three digit value
num=int(input("Enter a three no digit:"))
if(num<=1000 and num>=100):
    sum3=num%10
    num=num//10
    #print(sum3)
    sum2=num%10
    num=num//10
    #print(sum2)
    sum1=num%10
    num=num//10
    #print(sum1)
    if sum1==sum2*2 and sum1==sum3/2:
        print("Yes,u are done..!")
    else:
        print("plz try again")
else:
    print("Invalid input,Please enter a 3-digit number")

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output:
Enter a three no digit:428
Yes,u are done..!
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#Q3
radius = 20
length = 50
breadth = 40
costpermeter = 35
circumference = 0.5 * 2 * 3.14 * radius
rectangularperimeter = 2 * (length + breadth)
totalperimeter = circumference + rectangularperimeter
totalcost = totalperimeter * costpermeter
print("The total cost of fencing the field is "Rs",totalcost)
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output:
The total cost of fencing the field is Rs 8498.0
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#Q4
cost= float(input("Enter the cost per square foot of painting: "))
size= float(input("Enter the area of single wall in square foot: "))
total = 4 * size
totalcost = cost * size
print("-----")
print("The total cost of interior wall painting is",totalcost)
print("-----")
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output:
Enter the cost per square foot of painting: 100
Enter the area of single wall in square foot: 4
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The total cost of interior wall painting is 400.0
-----
```

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#Q5
bill = 0
for i in range(1,6):
    productprice=int(input("Enter the price of Product ="))
    bill =bill+productprice
gst = 0.18
gstamt = bill * gst
totalbill = bill + gstamt
print("total bill",bill)
print("18%,gst amount =",gstamt)
print("total bill including gst:",totalbill)
```

output:

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Enter the price of Product =1000
Enter the price of Product =800
Enter the price of Product =600
Enter the price of Product =400
Enter the price of Product =200
total bill 3000
18%,gst amount = 540.0
total bill including gst: 3540.0
```