**Problem: 01**

Write a Python program that takes a number as input and checks whether it is even or odd

Solve 1:

num=int(input("Enter the Numbers:"))

if num%2==0:

    print("even")

else:

    print("odd")

**Problem: 02**

Write a program that takes two numbers and an operator (+, -, \*, /) and performs the calculation.

Solve 2:

num1=int(input("Enter the 1st numbers: "))

num2=int(input("Enter the 2nd numbers: "))

print(num1,"+",num2,"=",num1+num2)

print(num1,"-",num2,"=",num1-num2)

print(num1,"\*",num2,"=",num1\*num2)

if num2!=0:

    print(num1,"/",num2,"=",num1/num2)

else:

    print("divison by zero is not allowed")

**Problem: 03**

Write a program using a for loop that calculates the sum of even numbers between 1 and 100.

Solve 3:

sum=0

for i in range(101):

    if i%2==0:

        sum+=i

print("sum of even numbers between 1 and 100 : ",sum)