1. Write a Python Program to Check if a Number is Positive, Negative or Zero?  
   a=int(input(“enter the value “))

If(a>0): print(“No is +ve”)  
elif(a<0): print(“No is –ve”)

Else: print(“no is Zero)

1. Write a Python Program to Check if a Number is Odd or Even?  
   a=int(input(“Enter the value”)  
   if(a%2==0): print(No is Even”)  
   elseL: print(“No is odd”)
2. Write a Python Program to Check Leap Year?  
   year=int(input("enter the value"))

if(year%4==0 and year%400==0):

print("Leap Year")

else: print("Not a Leap Year")

1. Write a Python Program to Check Prime Number?  
   no=int(input("Enter the no"))

if no>1:

for i in range(2,no):

if(no%i==0):

print("No is not a Prime NO")  
 else: print("Prime No")

else: print("No is not a Prime NO")

1. Write a Python Program to Print all Prime Numbers in an Interval of 1-10000?  
   for i in range(1,10000+1):

if i>1:

for j in range(2,i):

if(i%j==0):

break

else:

print(i)