1. Write a Python Program to Check if a Number is Positive, Negative or Zero?

Ans: if num>0:

print(f’{num} is positive’)

elif num<0:

print(f’{num} is negative’)

else:

print(f’{num} is zero’)

1. Write a Python Program to Check if a Number is Odd or Even?

Ans: if num%2==0:

print(f’{num} is even’)

else:

print(f’{num} is odd’)

1. Write a Python Program to Check Leap Year?

Ans: if year%4==0:

print(f’{year} is Leap Year’)

else:

print(f’{year} is not Leap Year’)

1. Write a Python Program to Check Prime Number?

Ans: num=5

for i in range(2,num):

if num%i==0:

print(f'{num} is not prime')

break;

else:

print(f'{num} is prime')

1. Write a Python Program to Print all Prime Numbers in an Interval of 1-10000?

Ans:

for i in range(1,10000):

for j in range(2,i):

if i%j==0:

break

else:

print(i)