Python programming basic assignment 3:

Q1) a = int(input("enter integer "))

if a < 0:

print("negative integer")

elif a == 0:

print("it is zero")

else:

print("positive integer”)

Q2) a = int(input("enter integer "))

if a%2 == 0:

print("even")

else:

print(“odd")

Q3) a = int(input("enter year "))

if a%4 == 0:

print("leap year")

else:

print("not leap year”)

Q4) a = int(input("enter number to check prime "))

j = 0

if a == 2:

print("prime")

for i in range(2,a):

if a%i == 0:

j = j + 1

if j == 0 and a != 2:

print("prime")

elif j>0:

print("not prime”)

Q5) print(1)

print(2)

for k in range(3,10001):

j = 0

for i in range(2,k):

if k%i == 0:

j = j + 1

if j == 0:

print(k)