```python
# Python Code to check if a number is
# Positive, Negative, Odd, Even, Zero
# Using if...elif...else
# Python Code to check if a number is
# Positive, Negative, Odd, Even, Zero
# Using Nested if
import random
num = int(input("Enter Number"))
count=0
x=str(num)
if x.startswith("-"):
    print(num,"is a Negative number")
elif x == "0":
    print(num,"is Zero")
else:
    print(num,"is a Positive number")

# Checking for odd and even
if (num % 2) == 0:
    print("{0} is an number".format(num))
else:
    print("{0} is an Odd number".format(num))

#checking for prime or composite
for i in range(1, num+1):
    if(num % i == 0):
        count += 1;

if(count > 2):
    print("%d is a composite number" % num)
else:
    print("%d is a prime number" % num)
```