num = int(input("Enter a number: "))

print("1. Check even or odd\n2. Check positive/negative/zero\n3. Generate factors")

c = int(input("Enter choice: "))

if c== 1:

print("Even" if num % 2 == 0 else "Odd")

elif c == 2:

print("Positive" if num > 0 else "Negative" if num < 0 else "Zero")

elif c == 3:

print("Factors:", [i for i in range(1, num + 1) if num % i == 0])

else:

print("Invalid choice")