def Xor(str1, len1):

# store value of first character

ans = ord(str1[0])

for i in range(1, len1):

# Traverse string to find the XOR

ans = (ans ^ ord(str1[i]))

# Return the XOR result

return ans

def And(str1, len1):

# store value of first character

ans = ord(str1[0])

for i in range(1, len1):

# Traverse string to find the AND

ans = (ans & ord(str1[i]))

# Return the AND result

return ans

def Or(str1, len1):

# store value of first character

ans = ord(str1[0])

for i in range(1, len1):

# Traverse string to find the OR

ans = (ans | ord(str1[i]))

# Return the OR result

return ans

# Driver code

str1 = input("Enter your value: ")

len1 = len(str1)

print("XOR Result:", Xor(str1, len1))

print("AND Result:", And(str1, len1))

print("OR Result:", Or(str1, len1))