**QUESTION:1--**

# Step 1: Ask the user to enter a number

user\_input = input("Please enter a whole number: ")

# Step 2: Convert the input from string to integer

number = int(user\_input)

# Step 3: Use if-else to check if the number is even or odd

if number % 2 == 0:

# If the remainder when divided by 2 is 0, it's even

print("The number", number, "is even.")

else:

# If the remainder is not 0, it's odd

print("The number", number, "is odd.")

**Question:2--**

# Step 1: Start with a variable to hold the total sum

total\_sum = 0

# Step 2: Use a for loop to go through numbers from 1 to 50

for number in range(1, 51):

total\_sum += number # Add each number to the total

# Step 3: Show the final result

print("The sum of numbers from 1 to 50 is:", total\_sum)