Question:Build a Python program utilizing data structures, conditional statements, and functions to solve a data-related task.

ANSWER TO THE ASSIGNMENT:

```python
# Define a list of numbers
numbers = [5, 10, 15, 20, 25]


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# Function to find the maximum number in the list
def find_maximum(numbers):
    max_number = numbers[0]  # Assume the first number is the maximum
    for number in numbers:
        if number > max_number:
            max_number = number
    return max_number

# Function to check if a number is even or odd
def check_even_odd(number):
    if number % 2 == 0:
        return "even"
    else:
        return "odd"

# Main program
maximum_number = find_maximum(numbers)
print("The maximum number in the list is:", maximum_number)

# Ask the user for a number to check if it's even or odd
user_number = int(input("Enter a number to check if it's even or odd: "))
even_odd_result = check_even_odd(user_number)
print("The number", user_number, "is", even_odd_result)

        The maximum number in the list is: 25
        Enter a number to check if it's even or odd: 25
        The number 25 is odd
```