**TASK 2 Implement conditional, control and looping statements (CO1-K3)**

**Problem 1:**

**Write a Python program to count votes for three candidates.  
The program should repeatedly prompt the user to enter their vote as 1, 2, or 3 (representing each candidate).  
When the user types ‘end’, the voting stops, and the program should display:**

* **The total votes received by each candidate.**
* **The candidate who received the highest number of votes as the winner.**

**Program:**

candidate1 = 0

candidate2 = 0

candidate3 = 0

print("Enter votes for candidates (1, 2, or 3). Type 'end' to finish voting.")

while True:

vote = input("Enter your vote (1/2/3 or 'end'): ")

if vote.lower() == 'end':

break

elif vote == '1':

candidate1 += 1

elif vote == '2':

candidate2 += 1

elif vote == '3':

candidate3 += 1

else:

print("Invalid vote! Please enter 1, 2, 3, or 'end'.")

print("\nVote Counts:")

print("Candidate 1:", candidate1)

print("Candidate 2:", candidate2)

print("Candidate 3:", candidate3)

if candidate1 > candidate2 and candidate1 > candidate3:

print("Winner: Candidate 1")

elif candidate2 > candidate1 and candidate2 > candidate3:

print("Winner: Candidate 2")

elif candidate3 > candidate1 and candidate3 > candidate2:

print("Winner: Candidate 3")

else:

print("It's a tie!")

**Problem 2:**

**Build a solution for the problem which iterates the integers from 1 to 50. For multiples of three print "Fizz" instead of the number and for the multiples of five print "Buzz". For numbers which are multiples of both three and five print "FizzBuzz".**

**Sample Output :**

**fizzbuzz**

**1**

**2**

**fizz**

**4**

**Program:**

**for i in range(1, 51):**

**if i % 3 == 0 and i % 5 == 0:**

**print("FizzBuzz")**

**elif i % 3 == 0:**

**print("Fizz")**

**elif i % 5 == 0:**

**print("Buzz")**

**else:**

**print(i)**

**Problem 3:**

**Write a Python program to count the total number of cars that entered a parking lot during the day. The program should keep taking input for each car entry. When the manager types "close", the program should stop and display the total number of cars that entered.**

**Program:**

count = 0 # To keep track of number of cars

print("Enter 'car' each time a car enters. Type 'close' to end the day.")

while True:

entry = input("Enter: ")

if entry.lower() == "close":

break

elif entry.lower() == "car":

count += 1

else:

print("Invalid input! Type 'car' or 'close'.")

print("\nTotal number of cars entered today:", count)

**Problem 4:**

**Keerthi wants to build a solution for the problem to count the number of even and odd numbers from a series of numbers.**

**Program:**

numbers = list(map(int, input("Enter numbers separated by space: ").split()))

even\_count = 0

odd\_count = 0

for num in numbers:

if num % 2 == 0:

even\_count += 1

else:

odd\_count += 1

# Display results

print("Number of even numbers:", even\_count)

print("Number of odd numbers:", odd\_count)