# Parse the ‘index2’ column from the CSV file

# file the path of problem sheet

**file\_path = "C:/Users/Kiran/Downloads/baseslove/problem\_sheet.csv"**

**with open(file\_path, "r") as file:**

# This initializes a variable called line\_number to 0. It will be used to keep track of the line number   
 being processed.

**line\_number = 0**

# It will be used as a flag to indicate when to start processing the lines of the file.

**start\_processing = False**

# This is a for loop that iterates through each line in the file one by one.

**for line in file:**

**#** **This increments the line\_number variable by 1 for each line processed, effectively counting the lines   
 in the file.**

**line\_number += 1**

#if statement that checks if the current line number (line\_number) is less than or equal to 20.

**if line\_number <= 20:**

**continue**

# this code appears to be designed to identify a specific line in the file

**if line.startswith("Lane,"):**

**start\_processing = True**

**if start\_processing:**

**print("index2")**

**continue**

# This code snippet processes lines from a file (in CSV format), extracts a specific column (the 10th column) named index2, removes leading and trailing whitespace from its content, and then prints the cleaned value of index2

**if start\_processing:**

**columns = line.strip().split(',')**

**index2 = columns[9].strip()**

**print(index2)**

# Reverse the string of index2

**print("Reversed index2")**

**continue**

**if start\_processing:**

**columns = line.strip().split(',')**

**index2 = columns[9].strip()**

# Reverse the "index2" string

**reversed\_index2 = index2[::-1]**

**print(reversed\_index2)**

# complement the string of index2

print("Complemented index2")

continue

if start\_processing:

columns = line.strip().split(',')

index2 = columns[9].strip()

# Complement the "index2" string

complemented\_index2 = complement\_sequence(index2)

print(complemented\_index2)