**Lab Exercise 1- Read and Write in Employee CSV File using Python**

**Step 1: Read from an Employee CSV File**

**employees.csv**

ID,Name,Salary

1,John Doe,50000

2,Jane Smith,60000

3,Michael Johnson,70000

4,Sarah Williams,80000

5,Robert Brown,55000

import csv

# Read from the Employee CSV file

with open('employees.csv', mode='r') as file:

csv\_reader = csv.DictReader(file)

for row in csv\_reader:

print(row['ID'], row['Name'], row['Salary'])

**Step 2: Write to an Employee CSV File**

# Write to the Employee CSV file

data = [

{'ID': '1', 'Name': 'John Doe', 'Salary': '50000'},

{'ID': '2', 'Name': 'Jane Smith', 'Salary': '60000'},

{'ID': '3', 'Name': 'Bob Johnson', 'Salary': '55000'}

]

fields = ['ID', 'Name', 'Salary']

with open('employees\_output.csv', mode='w', newline='') as file:

writer = csv.DictWriter(file, fieldnames=fields)

writer.writeheader()

writer.writerows(data)

**Step 3: Verify the Changes**

Check the employees\_output.csv file to confirm that the data has been written successfully.

**Conclusion**

This exercise demonstrated how to read from and write to a CSV file containing employee data with ID, name, and salary using Python's csv module. Experiment further with different CSV operations and error handling to deepen your understanding of file handling in CSV using Python.