



```
import csv

# File Name
csv_fname =
"F:\\Training_Projects\\SpringPeople\\Python_DD_1\\Sessions\\Day_8_08July
2017\\data.csv"

# Read the contents of CSV Files
csv_file = open(csv_fname)

# Read all the contents
contents = csv.reader(csv_file)
for line in contents:
    print ("Line ->", line)

# Close the File
csv_file.close()

print ("-----")

# Read the contents of the file in dictionary format
with open(csv_fname) as csv_file:
    # all_recs = csv.DictReader(csv_file)
    # print ("All Records")
    # for row in all_recs:
    #     print ("Row ->", row)

    # Create Dictionary Comprehension within List Comprehension
    # List of Dictionaries
    csv_data = [{header: data for header, data in rec.items()} for rec in
csv.DictReader(csv_file)]
    print (csv_data)

print ("-----")

for data in csv_data:
    print ("Row ->", data)

print ("Printing Kolkatta Alone ->", csv_data[2]["Location"])

print ("-----")

# Write the contents to the CSV File
csv_file = open("output_file.csv", "w", newline='')

# Configure the output file
writer_config = csv.writer(csv_file, delimiter=',')

# Header
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header=('Cust Id', 'Cust Acc No', 'Cust Name')
writer_config.writerow(header)

# Contents
writer_config.writerow((101, 23456, 'Justin'))
writer_config.writerows(((102, 23457, 'Davies'),
                          (103, 23458, 'Clark'),
                          (104, 23459, 'Tris'),
                          (105, 23455, 'Manual'))))

# Close the CSV File
csv_file.close()

print ("CSV File has been written successfully")

print ("-----")
```