LAB ASSIGNMENT 9

Exercise 1(1 mark)

Using python command to run the file **ex1_create_and_import.py** (1 mark). Double check if you have the database with tables as listed below:

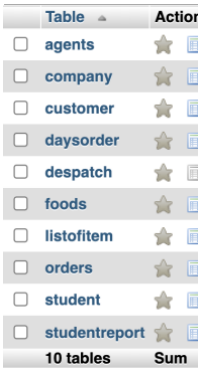

Figure 1 **List of expected table after import**

Exercise 2 (3 marks)

From table **customer,** find out the maximum, minimum and average number of OUTSTANDING_AMT. Fill in the sql in "ex2_sample_database.sql" into the database we have just created in exercise 1. The result should be:

```
root@033596fd5dbe:/www/Assignment9_TA# python3 ex2_find_min_max.py
12000.00 3000.00 7600.000000
```

Figure 2 **expected result**

Exercise 3 (3 marks)

Now that you have found some stat on your customer, you also want to see performance of each agent by total outstanding. Fill in the sql in "ex3_agent_performance.py" to list the **agent's name** along with **total outstanding amount per customer.** The result should look like this:

(Hint: you need INNER JOIN and GROUP BY)

```
Subbarao                    12000.00
Mukesh                      32000.00
Alex                        15000.00
Ivan                        24000.00
Anderson                    18000.00
McDen                       9000.00
Ramasundar                  21000.00
Alford                      15000.00
Benjamin                    5000.00
Santakumar                  28000.00
Ravi Kumar                  8000.00
Lucida                      3000.00
```

Figure 3 expected agent performance

Exercise 4 (3 marks)

Find the monthly sale. Fill in the sql “ex4_monthly_sale.py”. The result should be:

```
January 1000.00
February 6000.00
March 1500.00
April 5500.00
May 5500.00
June 6200.00
July 22500.00
August 12900.00
September 14700.00
October 2800.00
```

Figure 4 expected result of monthly sale

(Hint: use ORDER BY with MONTH to order DATA by Month)