A

**Graded Lab 3**

**Introduction to Database Systems-LAB CL-102 (Section D11) Time: 9:00-10:00 AM**

**Dated: 7-June-2023**

**TASK 1**

1. Create the following tables and write a SQL query to find salespeople who received commissions of more than 12 percent from the company. Return Customer Name, customer city, Salesman, commission.

Note: Use Inner join

table: customer

customer\_id | cust\_name | city | grade | salesman\_id

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3002 | Nick Rimando | New York | 100 | 5001

3007 | Brad Davis | New York | 200 | 5001

3005 | Graham Zusi | California | 200 | 5002

3008 | Julian Green | London | 300 | 5002

3004 | Fabian Johnson | Paris | 300 | 5006

3009 | Geoff Cameron | Berlin | 100 | 5003

3003 | Jozy Altidor | Moscow | 200 | 5007

3001 | Brad Guzan | London | | 5005

table: salesman

salesman\_id | name | city | commission

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5001 | James Hoog | New York | 0.15

5002 | Nail Knite | Paris | 0.13

5005 | Pit Alex | London | 0.11

5006 | Mc Lyon | Paris | 0.14

5007 | Paul Adam | Rome | 0.13

5003 | Lauson Hen | San Jose | 0.12

Output of the Query:

Customer Name city Salesman commission

Nick Rimando New York James Hoog 0.15

Brad Davis New York James Hoog 0.15

Graham Zusi California Nail Knite 0.13

Julian Green London Nail Knite 0.13

Fabian Johnson Paris Mc Lyon 0.14

Jozy Altidor Moscow Paul Adam 0.13

SELECT a.cust\_name AS "Customer Name",

a.city, b.name AS "Salesman", b.city,b.commission

FROM customer a

INNER JOIN salesman b

ON a.salesman\_id=b.salesman\_id

WHERE b.commission>.12

AND a.city<>b.city;

2. From the above tables write a SQL query to locate those salespeople who do not live in the same city where their customers live and have received a commission of more than 12% from the company. Return Customer Name, customer city, Salesman, salesman city, commission.

SELECT a.cust\_name AS "Customer Name",

a.city, b.name AS "Salesman", b.city,b.commission

FROM customer a

INNER JOIN salesman b

ON a.salesman\_id=b.salesman\_id

WHERE b.commission>.12

AND a.city<>b.city;

Output of the Query:

Customer Name city Salesman city commission

Graham Zusi California Nail Knite Paris 0.13

Julian Green London Nail Knite Paris 0.13

Jozy Altidor Moscow Paul Adam Rome 0.13