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Lab No:	5	
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Class:	$\mathrm{BCE}-4\mathrm{A}$	

Lab Tasks (SQL Store Database)

- -- Get the customers whose
- -- first name are ELKA or AMBUR
- -- last name end with EY or ON
- -- last name start with MY or contains SE
- --last name contain B followed by R or U
- -- Phone number ends with 9
- -- Return the products with quantity in stock equal to 38,49,72
- -- Customer born between 1/1/1990 and 1/1/2000
- -- Address contains TRAIL or AVENUE

TASK 1

```
1 • use sql_store;
2 • select first_name like 'ELKA' or 'AMBUR'
3 from customers;
```

	first_name like 'ELKA' or 'AMBUR'
•	0
	0
	0
	0
	0
	1
	0

TASK 2

```
1 • use sql_store;
2 • select last_name like '%EY' or '%ON'
3 from customers;
```

	last_name like '%EY' or '%ON'
•	1
	0
	1
	0
	1
	0
	0

TASK 3 last_name like 'MY%' or 'SE%' 0 0 use sql_store; select last_name like 'MY%' or 'SE%' from customers; 0 0 0 0 1 TASK 4 last_name like '%BU%' or '%BR%' use sql_store; 0 0 1 select last_name like '%BU%' or '%BR%' from customers; 0 0 0 TASK 5 phone like '%9' use sql_store; 0 0 select phone like '%9' from customers; 1 0 1 0 TASK 6 use sql_store; select quantity_in_stock like '32'or'49'or'72' from products; quantity_in_stock like '32'or'49'or'72' 1 1 1 1 1 1 1 1 TASK 7 1 • use sql_store;

2 • select birth_date from customers

where birth_date between '1991-01-01' and '2000-01-01';

```
birth_date

▶ 1991-09-04

1993-07-17

1992-05-23
```

TASK 8

```
use sql_store;
select address
from customers
where address like '%TRAIL%' OR '%AVENUE%';
```

	address	
•	14187 Commercial Trail	
	3520 Ohio Trail	

Post Lab Tasks (Using HR Database)

- Write a query to find all countries where the country name is exactly 5 characters long.
- Find Countries where the Name Contains "land" but not at the Start or End.
- Display all locations where state_province contains two "s" characters, with any characters in between.

TASK 1



(Using Classic Models)

- Find Customers from Cities Starting with "N".
- Write a query to display all customers whose postal Code ends with "00".
- Find Customers Whose Last Name Contains "son".
- Find Customers from the USA with a Phone Number Starting with "702".
- Find Customers with State Names Containing the Letter "a" (Using LIKE) or Postal Codes Ending in "5".

TASK 1

```
use classicmodels;
select city from customers
where city like 'N%';
```

TASK 2

use classicmodels;
select postalCode from customers
where postalCode like '%00';

TASK 3

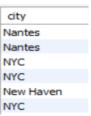
```
use classicmodels;
select contactLastName from customers
where contactLastName like '%son%';
```

TASK 4

```
use classicmodels;
select phone from customers
where phone like '702%' AND country = 'USA';
```

TASK 5

```
use classicmodels;
select customerName from customers
where state like '%a'
or postalCode like '%5'
```



	postalCode	
•	44000	
	44000	
	59000	
	67000	
	8200	

	contactLastName
١	Ferguson
	Nelson
	Thompson
	Harrison
	Nelson
	Larsson
	Thompson

phone 7025551838

customerName

Australian Collectors, Co.
Mini Gifts Distributors Ltd.
Mini Wheels Co.
Diecast Classics Inc.
Technics Stores Inc.
Handji Gifts& Co
Cambridge Collectables Co.
Osaka Souveniers Co.
Auto-Moto Classics Inc.

Critical Analysis

In this lab, we explored different ways to retrieve specific information from a database. By using commands like LIKE, REGEXP, % and ^ symbols we were able to filter data more effectively and find detailed results. This helped improve our ability to work with databases and extract useful information.

Lab Assessment				
/6	/10			
/4				
ctor Signature and Comments				
	/6 /4			