

LAB 5

Microsoft Windows [Version 10.0.22631.3880]

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C:\Users\user>mysql -u root -p

Enter password: ****

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 10

Server version: 8.0.38 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

+-----+

| Database |

+-----+

| information_schema |

| mysql |

| performance_schema |

| gaurav |

| sys |

+-----+

5 rows in set (0.04 sec)

```
mysql> use gaurav;
```

Database changed

```
mysql> create table loan(loanno int primary key, cname nvarchar(50));
```

Query OK, 0 rows affected, 1 warning (0.05 sec)

```
mysql> create table account(accno int primary key, cname nvarchar(50));
```

Query OK, 0 rows affected, 1 warning (0.01 sec)

```
mysql> desc loan;
```

Field	Type	Null	Key	Default	Extra
loanno	int	NO	PRI	NULL	
cname	varchar(50)	YES		NULL	

2 rows in set (0.01 sec)

```
mysql> desc account;
```

Field	Type	Null	Key	Default	Extra
accno	int	NO	PRI	NULL	
cname	varchar(50)	YES		NULL	

2 rows in set (0.00 sec)

```
mysql> insert into loan(loanno,cname) VALUES (1,'Ram Thapa'),(2,'Hari Nepal'),(3,'Shyam KC');
```

Query OK, 3 rows affected (0.00 sec)

Records: 3 Duplicates: 0 Warnings: 0

```
mysql> select * from loan;
```

```
+-----+-----+
| loanno | cname  |
+-----+-----+
|    1   | Ram Thapa |
|    2   | Hari Nepal |
|    3   | Shyam KC  |
+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> INSERT INTO account(accno,cname) VALUES(101,'Ram Thapa'),(102,'Hari N
epal'),(103,'Shyam KC'),(104,'Amit Thapa');
```

Query OK, 4 rows affected (0.00 sec)

Records: 4 Duplicates: 0 Warnings: 0

```
mysql> select * from account;
```

```
+-----+-----+
| accno | cname  |
+-----+-----+
| 101   | Ram Thapa |
| 102   | Hari Nepal |
| 103   | Shyam KC  |
| 104   | Amit Thapa |
+-----+-----+
```

4 rows in set (0.00 sec)

```
mysql> select distinct cname from(select cname from loan union select cname
from account) as customers;
```

```
+-----+
| cname  |
+-----+
```

```
| Ram Thapa |
```

```
| Hari Nepal |
```

```
| Shyam KC |
```

```
| Amit Thapa |
```

```
+-----+
```

```
4 rows in set (0.01 sec)
```

```
mysql> SELECT CNAME FROM loan WHERE cname NOT IN(select cname from account);
```

```
Empty set (0.01 sec)
```

```
mysql> SELECT CNAME FROM account WHERE cname NOT IN(select cname from loan);
```

```
+-----+
```

```
| CNAME |
```

```
+-----+
```

```
| Amit Thapa |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> SELECT CNAME FROM account WHERE cname NOT IN(select cname from loan);
```

```
+-----+
```

```
| CNAME |
```

```
+-----+
```

```
| Amit Thapa |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> SELECT CNAME FROM account WHERE cname IN(select cname from account);
```

```
+-----+
```

```
| CNAME |
+-----+
| Ram Thapa |
| Hari Nepal |
| Shyam KC |
| Amit Thapa |
+-----+
4 rows in set (0.00 sec)
```

```
mysql> SELECT CNAME FROM loan WHERE cname IN(select cname from account);
```

```
+-----+
| CNAME |
+-----+
| Ram Thapa |
| Hari Nepal |
| Shyam KC |
+-----+
3 rows in set (0.00 sec)
```

```
mysql> insert into loan(loanno,cname)VALUES(4,'Ashim Thapa');
```

```
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from loan;
```

```
+-----+-----+
| loanno | cname |
+-----+-----+
| 1 | Ram Thapa |
| 2 | Hari Nepal |
| 3 | Shyam KC |
| 4 | Ashim Thapa |
+-----+-----+
```

4 rows in set (0.00 sec)

```
mysql> SELECT CNAME FROM loan WHERE cname NOT IN(select cname from account);
```

```
+-----+  
| CNAME  |  
+-----+  
| Ashim Thapa |  
+-----+
```

1 row in set (0.00 sec)

```
mysql>
```