

Name : jawad khan

Roll no: p19-0053

Section : 4a

1) Create User:

```
MariaDB [(none)]> use p190053_jawad
Database changed
MariaDB [p190053_jawad]> create user 'jawad'@'localhost' identified by 'deadsoul';
Query OK, 0 rows affected (0.050 sec)

MariaDB [p190053_jawad]> grant select,update on p190053_jawad.employee to 'jawad'@'localhost';
```

2) Grant Priveleges:

2.1: Grant

```
MariaDB [p190053_jawad]> create user 'jawad'@'localhost' identified by 'deadsoul';

4 MariaDB [p190053_jawad]> grant select,update on p190053_jawad.employee to 'jawad'@'localhost';
```

2.2 View and update

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_DOB	EMP_HIRE_DATE	EMP_AREA_CODE	EMP_PHONE	PARK_CODE
100	Ms	Calderdale	Emma	1972-06-15	1992-03-15	0181	324-9134	FR1001
101	Ms	Ricardo	Marshall	1978-03-19	1996-04-25	0181	324-4472	UK3452
102	Mr	Arshad	Arif	1969-11-14	1990-12-20	7253	675-8993	FR1001
103	Ms	Roberts	Anne	1974-10-16	1994-08-16	0181	898-3456	UK3452
104	Mr	Denver	Enrica	1980-11-08	2001-10-20	7253	504-4434	ZA1342
105	Ms	Namowa	Mirrelle	1990-03-14	2006-11-08	0181	890-3243	FR1001
106	Mrs	Smith	Gemma	1968-02-12	1989-01-05	0181	324-7845	ZA1342

7 rows in set (0.000 sec)

```

MariaDB [p200557_yasir]> select * from employee;
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| EMP_NUM | EMP_TITLE | EMP_LNAME | EMP_FNAME | EMP_DOB | EMP_HIRE_DATE | EMP_AREA_CODE | EMP_PHONE | PARK_CODE |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| 100 | Ms | Calderdale | Emma | 1972-06-15 | 1992-03-15 | 0181 | 324-9134 | FR1001 |
| 101 | Ms | Ricardo | Marshall | 1978-03-19 | 1996-04-25 | 0181 | 324-4472 | UK3452 |
| 102 | Mr | Arshad | Arif | 1969-11-14 | 1990-12-20 | 7253 | 675-8993 | FR1001 |
| 103 | Ms | Roberts | Anne | 1974-10-16 | 1994-08-16 | 0181 | 898-3456 | UK3452 |
| 104 | Mr | Denver | Enrica | 1980-11-08 | 2001-10-20 | 7253 | 504-4434 | ZA1342 |
| 105 | Ms | Namowa | Mirrelle | 1990-03-14 | 2006-11-08 | 0181 | 890-3243 | FR1001 |
| 106 | Mrs | Smith | Gemma | 1968-02-12 | 1989-01-05 | 0181 | 324-7845 | ZA1342 |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.000 sec)

MariaDB [p200557_yasir]>

```

3) revoke permission given in ex. 2

```

]> revoke select,update on p200557_yasir.employee from 'Yasir'@'localhost';
ted (0.381 sec)

]> revoke create on *.* from 'Yasir'@'localhost';
ted (0.029 sec)

```

4) Commit, savepoint , rollback:

4.1 disable autocommit option

```
MariaDB [(none)]> use p190053_jawad;  
Database changed  
MariaDB [p190053_jawad]> set autocommit = 0;  
Query OK, 0 rows affected (0.000 sec)  
MariaDB [p190053_jawad]>
```

4.2 insert and update

```
> insert into employee values(110, 'mr', 'abbas', 'Ali', '2002-12-21', '2022-04-20', '0181', '543-5555', 'FR1001');  
Query OK, 1 row affected (0.282 sec)
```

```
]> update employee set emp_area_code = "0181" where emp_num= "100";  
Query OK, 1 row affected (0.000 sec)  
Rows: 1 Warnings: 0
```

4.3 make savepoint and rollback to savepoint

```

MariaDB [p200557_yasir]> savepoint save1;
Query OK, 0 rows affected (0.000 sec)

MariaDB [p200557_yasir]> insert into employee values(112, 'mrr', 'abbas', 'Alii', '2012-12-21', '2022-04-30', '0131', '522-5555', 'FR1001');
Query OK, 1 row affected (0.000 sec)

MariaDB [p200557_yasir]> select * from employee
-> ;

```

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_DOB	EMP_HIRE_DATE	EMP_AREA_CODE	EMP_PHONE	PARK_CODE
100	Ms	Calderdale	Emma	1972-06-15	1992-03-15	0181	324-9134	FR1001
101	Ms	Ricardo	Marshel	1978-03-19	1996-04-25	0181	324-4472	UK3452
102	Mr	Arshad	Arif	1969-11-14	1990-12-20	7253	675-8993	FR1001
103	Ms	Roberts	Anne	1974-10-16	1994-08-16	0181	898-3456	UK3452
104	Mr	Denver	Enrica	1980-11-08	2001-10-20	7253	504-4434	ZA1342
105	Ms	Namowa	Mirrelle	1990-03-14	2006-11-08	0181	890-3243	FR1001
106	Mrs	Smith	Gemma	1968-02-12	1989-01-05	0181	324-7845	ZA1342
110	mr	abbas	Alii	2002-12-21	2022-04-20	0181	543-5555	FR1001
112	mrr	abbas	Alii	2012-12-21	2022-04-30	0131	522-5555	FR1001

```

rows in set (0.000 sec)

MariaDB [p200557_yasir]> rollback to save1;
Query OK, 0 rows affected (0.000 sec)

MariaDB [p200557_yasir]> select * from employee;

```

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_DOB	EMP_HIRE_DATE	EMP_AREA_CODE	EMP_PHONE	PARK_CODE
100	Ms	Calderdale	Emma	1972-06-15	1992-03-15	0181	324-9134	FR1001
101	Ms	Ricardo	Marshel	1978-03-19	1996-04-25	0181	324-4472	UK3452
102	Mr	Arshad	Arif	1969-11-14	1990-12-20	7253	675-8993	FR1001
103	Ms	Roberts	Anne	1974-10-16	1994-08-16	0181	898-3456	UK3452
104	Mr	Denver	Enrica	1980-11-08	2001-10-20	7253	504-4434	ZA1342
105	Ms	Namowa	Mirrelle	1990-03-14	2006-11-08	0181	890-3243	FR1001
106	Mrs	Smith	Gemma	1968-02-12	1989-01-05	0181	324-7845	ZA1342
110	mr	abbas	Alii	2002-12-21	2022-04-20	0181	543-5555	FR1001

```

rows in set (0.000 sec)

```

4.4 commit and rollback

```

MariaDB [p200557_yasir]> insert into employee values(113, 'mr', 'qalanadar', 'Alii', '2012-12-21', '2022-04-30', '0131', '522-5555', 'FR1001');
Query OK, 1 row affected (0.000 sec)

MariaDB [p200557_yasir]> commit;
Query OK, 0 rows affected (0.039 sec)

MariaDB [p200557_yasir]> insert into employee values(115, 'mr', 'farhan', 'Alii', '2012-12-21', '2022-04-30', '0131', '522-5325', 'FR1001');
Query OK, 1 row affected (0.002 sec)

MariaDB [p200557_yasir]> select * from employee;

```

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_DOB	EMP_HIRE_DATE	EMP_AREA_CODE	EMP_PHONE	PARK_CODE
100	Ms	Calderdale	Emma	1972-06-15	1992-03-15	0181	324-9134	FR1001
101	Ms	Ricardo	Marshel	1978-03-19	1996-04-25	0181	324-4472	UK3452
102	Mr	Arshad	Arif	1969-11-14	1990-12-20	7253	675-8993	FR1001
103	Ms	Roberts	Anne	1974-10-16	1994-08-16	0181	898-3456	UK3452
104	Mr	Denver	Enrica	1980-11-08	2001-10-20	7253	504-4434	ZA1342
105	Ms	Namowa	Mirrelle	1990-03-14	2006-11-08	0181	890-3243	FR1001
106	Mrs	Smith	Gemma	1968-02-12	1989-01-05	0181	324-7845	ZA1342
110	mr	abbas	Alii	2002-12-21	2022-04-20	0181	543-5555	FR1001
113	mr	qalanadar	Alii	2012-12-21	2022-04-30	0131	522-5555	FR1001
115	mr	farhan	Alii	2012-12-21	2022-04-30	0131	522-5325	FR1001

```

0 rows in set (0.000 sec)

```

```
MariaDB [p200557_yasir]> rollback
-> ;
Query OK, 0 rows affected (0.040 sec)
```

```
MariaDB [p200557_yasir]> select * from employee;
```

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_DOB	EMP_HIRE_DATE	EMP_AREA_CODE	EMP_PHONE	PARK_CODE
100	Ms	Calderdale	Emma	1972-06-15	1992-03-15	0181	324-9134	FR1001
101	Ms	Ricardo	Marshall	1978-03-19	1996-04-25	0181	324-4472	UK3452
102	Mr	Arshad	Arif	1969-11-14	1990-12-20	7253	675-8993	FR1001
103	Ms	Roberts	Anne	1974-10-16	1994-08-16	0181	898-3456	UK3452
104	Mr	Denver	Enrica	1980-11-08	2001-10-20	7253	504-4434	ZA1342
105	Ms	Namowa	Mirrelle	1990-03-14	2006-11-08	0181	890-3243	FR1001
106	Mrs	Smith	Gemma	1968-02-12	1989-01-05	0181	324-7845	ZA1342
110	mr	abbas	Ali	2002-12-21	2022-04-20	0181	543-5555	FR1001
113	mr	qalanadar	Alii	2012-12-21	2022-04-30	0131	522-5555	FR1001

```
9 rows in set (0.000 sec)
```