1) Display the current user in the mysql server.

SELECT CURRENT_USER();
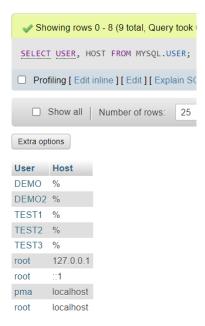

2) List all the existing users in the database server.

SELECT USER, HOST
FROM MYSQL.USER

3) Create new users called test1, test2 and test3

CREATE USER 'TEST1' IDENTIFIED BY 'TEST1';
CREATE USER 'TEST2' IDENTIFIED BY 'TEST2';
CREATE USER 'TEST3' IDENTIFIED BY 'TEST3';
SELECT USER, HOST
FROM MYSQL.USER

User	Host
DEMO	%
DEMO2	%
TEST1	%
TEST2	%
TEST3	%
root	127.0.0.1
root	::1
pma	localhost
root	localhost

4) Grant privileges to test1 from the employee table of the organization database.

GRANT ALL PRIVILEGES ON organisation.employee TO 'TEST1'@'%';

5) give select and update privileges of fname, name and bdate of the employee table from the organization database to the user 'test2'

GRANT SELECT(FNAME, LNAME, BDATE), UPDATE(FNAME, LNAME, BDATE) ON organisation.employee TO 'TEST2'@'%';
SHOW GRANTS FOR 'TEST2';

6) Grant all privileges to all databases in the mysql server to user test3

GRANT ALL PRIVILEGES ON *.* TO 'TEST3';
SHOW GRANTS 'TEST3';

Your SQL query has been executed successfully.

SHOW GRANTS FOR 'TEST3';

☐ Profiling [Edit inline] [Edit] [Create PHP code] [Refresh]

Extra options

Grants for TEST3@%

GRANT ALL PRIVILEGES ON *.* TO `TEST3`@`%` IDENTIF...

7) login and check all the privileges

SHOW GRANTS FOR 'TEST1';
SHOW GRANTS FOR 'TEST2';
SHOW GRANTS FOR 'TEST3';

Your SQL query has been executed successfully.

SHOW GRANTS FOR 'TEST1';

☐ Profiling [Edit inline] [Edit] [Create PHP code] [Refresh]

Extra options

Grants for TEST1@%

GRANT USAGE ON *.* TO `TEST1`@`%` IDENTIFIED BY PASSWORD '*94D7C313CEEBCA21C2B2AFB91218DB1152C3328B'
GRANT ALL PRIVILEGES ON `organisation`.`employee` TO `TEST1`@`%`

Your SQL query has been executed successfully.

SHOW GRANTS FOR 'TEST2';

☐ Profiling [Edit inline] [Edit] [Create PHP code] [Refresh]

Extra options

Grants for TEST2@%

GRANT USAGE ON *.* TO `TEST2`@`%` IDENTIFIED BY PASSWORD '*CF3B518126FE6006087FD2E7CCD43A39203FD913'
GRANT SELECT (`BDATE`, `FNAME`, `LNAME`), UPDATE (`BDATE`, `FNAME`, `LNAME`) ON `organisation`.`employee` TO `TEST2`@`%`

Your SQL query has been executed successfully.

SHOW GRANTS FOR 'TEST3';

☐ Profiling [Edit inline] [Edit] [Create PHP code] [Refresh]

Extra options

Grants for TEST3@%

GRANT ALL PRIVILEGES ON *.* TO `TEST3`@`%` IDENTIFIED BY PASSWORD '*F61366D2F2E15B7AAEB563DC8E0BF7E5D6CC4123'

8) Revoke the view privileges from test1

```
REVOKE ALL PRIVILEGES ON ORGANISATION.EMPLOYEE FROM 'TEST1';
SHOW GRANTS FOR 'TEST1';
```

Your SQL query has been executed successfully.

```
SHOW GRANTS FOR 'TEST1';
```

☐ Profiling [Edit inline] [Edit] [Create PHP code] [Refresh]

Extra options

Grants for TEST1@%

GRANT USAGE ON *.* TO `TEST1`@`%` IDENTIFIED BY PASSWORD '*94D7C313CEEBCA21C2B2AFB91218DB1152C3328B'

9) Provide a list of all the privileges granted to user test2

```
SHOW GRANTS FOR 'TEST2';
```

Your SQL query has been executed successfully.

```
SHOW GRANTS FOR 'TEST2';
```

☐ Profiling [Edit inline] [Edit] [Create PHP code] [Refresh]

Extra options

Grants for TEST2@%

GRANT USAGE ON *.* TO `TEST2`@`%` IDENTIFIED BY PASSWORD '*CF3B518126FE6006087FD2E7CCD43A39203FD913'
GRANT SELECT (`BDATE`, `FNAME`, `LNAME`), UPDATE (`BDATE`, `FNAME`, `LNAME`) ON `organisation`.`employee` TO `TEST2`@`%`

10) CREATE INDEX EID_INDEX ON employee(EID);

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0095 seconds.)

```
CREATE INDEX EID_INDEX ON employee(EID);
```

[Edit inline] [Edit] [Create PHP code]

```
SHOW INDEX FROM employee;
```

Your SQL query has been executed successfully.

```
SHOW INDEX FROM employee;
```

☐ Profiling [Edit inline] [Edit] [Create PHP code] [Refresh]

Extra options

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment
employee	0	PRIMARY	1	EID	A	5	NULL	NULL		BTREE		
employee	1	EID_INDEX	1	EID	A	5	NULL	NULL		BTREE		