

Assignment-6

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Assignment 6: Create a new database user with specific privileges using the CREATE USER and GRANT commands. Then, write a script to REVOKE certain privileges and DROP the user.

Create a new user

```
owners.  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
mysql> create user 'arjun'@'localhost' identified by 'arjun';  
Query OK, 0 rows affected (0.01 sec)  
  
mysql> select user from mysql.user;  
+-----+  
| user |  
+-----+  
| arjun |  
| debian-sys-maint |  
| mysql.infoschema |  
| mysql.session |  
| mysql.sys |  
| root |  
+-----+  
6 rows in set (0.00 sec)
```

Grant specific privileges

```
6 rows in set (0.00 sec)  
  
mysql> create database mydb;  
Query OK, 1 row affected (0.00 sec)  
  
mysql> GRANT select,insert,update ON mydb.* TO 'arjun'@'localhost';  
Query OK, 0 rows affected (0.01 sec)  
  
mysql> show grants for arjun@localhost;  
+-----+  
| Grants for arjun@localhost |  
+-----+  
| GRANT USAGE ON *.* TO `arjun`@`localhost` |  
| GRANT SELECT, INSERT, UPDATE ON `mydb`.* TO `arjun`@`localhost` |  
+-----+  
2 rows in set (0.00 sec)
```

Revoke certain privileges

```
mysql> revoke update on mydb.* from 'arjun'@'localhost';
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> select * from emp;
+-----+-----+
| name | age |
+-----+-----+
| arjn | 23 |
+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> update emp set name='age';
ERROR 1142 (42000): UPDATE command denied to user 'arjun'@'localhost' for table 'emp'
mysql>
```

Drop the user

```
mysql> drop user 'arjun'@'localhost';
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> select user from mysql.user;
+-----+
| user |
+-----+
| debian-sys-maint |
| mysql.infoschema |
| mysql.session |
| mysql.sys |
| root |
+-----+
5 rows in set (0.00 sec)
```