

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

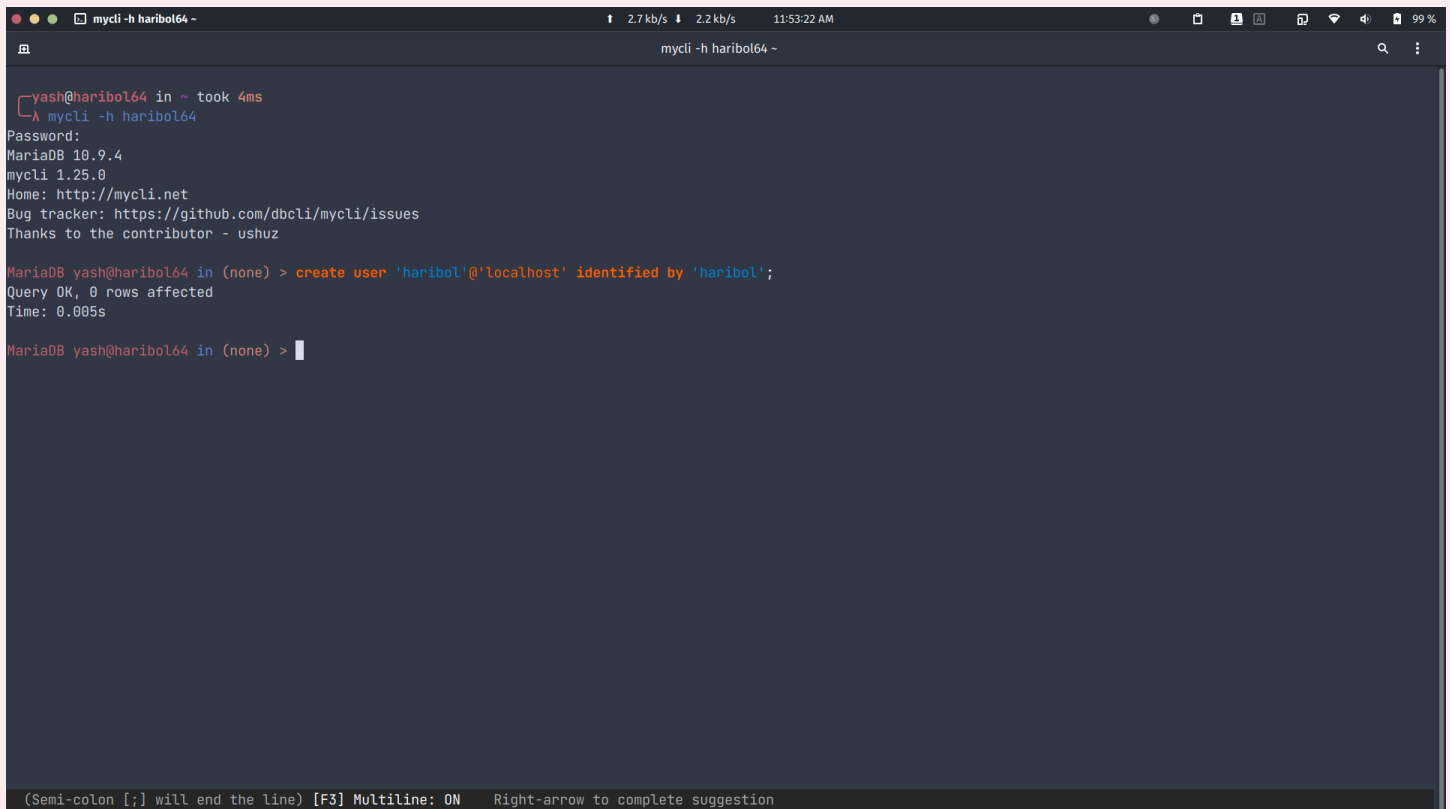
DBMS Practical 16

**Institute of computer technology
Ganpat university
B.tech. CSE (CBA/BDA/CS)**

(2CSE301) DATABASE MANAGEMENT SYSTEM

PRACTICAL 16

1. Create a user with your name with a password of your choice



```
mycli -h haribol64 -  
2.7 kb/s 2.2 kb/s 11:53:22 AM  
mycli -h haribol64 -  
yash@haribol64 in ~ took 4ms  
^ mycli -h haribol64  
Password:  
MariaDB 10.9.4  
mycli 1.25.0  
Home: http://mycli.net  
Bug tracker: https://github.com/dbcli/mycli/issues  
Thanks to the contributor - ushuz  
  
MariaDB yash@haribol64 in (none) > create user 'haribol'@'localhost' identified by 'haribol';  
Query OK, 0 rows affected  
Time: 0.005s  
  
MariaDB yash@haribol64 in (none) >   
  
(Semi-colon [;] will end the line) [F3] Multiline: ON Right-arrow to complete suggestion
```

2. Display list of all user in database.

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```
mycli -h haribol64 ~
┌─ mycli -h haribol64
Password:
MariaDB 10.9.4
mycli 1.25.0
Home: http://mycli.net
Bug tracker: https://github.com/dbcli/mycli/issues
Thanks to the contributor - ushuz

MariaDB yash@haribol64 in (none) > create user 'haribol'@'localhost' identified by 'haribol';
Query OK, 0 rows affected
Time: 0.005s

MariaDB yash@haribol64 in (none) > select user,host from mysql.user;
+-----+-----+
| User      | Host      |
+-----+-----+
| yash      | haribol64 |
| cowbot    | localhost |
| demo      | localhost |
| haribol    | localhost |
| mariadb.sys | localhost |
| mysql     | localhost |
| root      | localhost |
| yash      | localhost |
+-----+-----+

8 rows in set
Time: 0.005s

MariaDB yash@haribol64 in (none) > 
```

3. Display Account-Privileges of user

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```
mycli -h haribol64 -
0.0 b/s 0.0 b/s 12:03:27 PM
mycli -h haribol64 -

yash@haribol64 in ~ as took 1ms
^ mycli -h haribol64
Password:
MariaDB 10.9.4
mycli 1.25.0
Home: http://mycli.net
Bug tracker: https://github.com/dbcli/mycli/issues
Thanks to the contributor - bjarnagin

MariaDB yash@haribol64 in (none) > use prac_16;
You are now connected to database "prac_16" as user "yash"
Time: 0.001s

MariaDB yash@haribol64 in prac_16 > show grants for 'haribol'@'localhost';
+-----+
| Grants for haribol@localhost |
+-----+
| GRANT USAGE ON *.* TO 'haribol'@'localhost' IDENTIFIED BY PASSWORD '*A8002BBDCD6DC59F12B0C877AFA72DDF988D958F' |
+-----+

1 row in set
Time: 0.014s

MariaDB yash@haribol64 in prac_16 >

(Semi-colon [;] will end the line) [F3] Multiline: ON
```

4. By providing appropriate privileges to newly created user, remove OrderDate column from orders table

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```
mycli -h haribol64 -  
mycli -h haribol64 -  
  
yash@haribol64 in ~ as 🐚 took 1ms  
^ mycli -h haribol64  
Password:  
MariaDB 10.9.4  
mycli 1.25.0  
Home: http://mycli.net  
Bug tracker: https://github.com/dbcli/mycli/issues  
Thanks to the contributor - spacewander  
  
MariaDB yash@haribol64 in (none) > use prac_16;  
You are now connected to database "prac_16" as user "yash"  
Time: 0.000s  
  
MariaDB yash@haribol64 in prac_16 > grant all privileges on prac_16.orders to 'haribol'@'localhost';  
Query OK, 0 rows affected  
Time: 0.004s  
  
MariaDB yash@haribol64 in prac_16 > |  
  
(Semi-colon [;] will end the line) [F3] Multiline: ON
```

```
mycli -u haribol -h -  
mycli -u haribol -h -  
  
MariaDB yash@haribol64 in prac_16 > grant all privileges on prac_16.orders to 'haribol'@'localhost';  
Query OK, 0 rows affected  
Time: 0.004s  
  
MariaDB yash@haribol64 in prac_16 > exit  
Goodbye!  
  
yash@haribol64 in ~ as 🐚 took 1m15s  
^ mycli -u haribol -h localhost  
Connecting to socket /var/run/mysqld/mysqld.sock, owned by user mysql  
Password:  
MariaDB 10.9.4  
mycli 1.25.0  
Home: http://mycli.net  
Bug tracker: https://github.com/dbcli/mycli/issues  
Thanks to the contributor - Karthikeyan Singaravelan  
  
MariaDB haribol@localhost in (none) > use prac_16;  
You are now connected to database "prac_16" as user "haribol"  
Time: 0.001s  
  
MariaDB haribol@localhost in prac_16 > alter table orders drop column OrderDate;  
You're about to run a destructive command.  
Do you want to proceed? (y/n): y  
Your call!  
Query OK, 0 rows affected  
Time: 0.019s  
  
MariaDB haribol@localhost in prac_16 > |  
  
(Semi-colon [;] will end the line) [F3] Multiline: ON Refreshing completions...
```

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5. Verify which privileges are given to newly created user and then revoke all the privileges given to the user

```
mycli -h haribol64 -
11.7 kb/s 22.7 kb/s 12:08:28 PM
mycli -h haribol64 -

yash@haribol64 in ~ as 🐼 took 1ms
^ mycli -h haribol64
Password:
MariaDB 10.9.4
mycli 1.25.0
Home: http://mycli.net
Bug tracker: https://github.com/dbcli/mycli/issues
Thanks to the contributor - Colin Caine

MariaDB yash@haribol64 in (none) > use prac_16;
You are now connected to database "prac_16" as user "yash"
Time: 0.000s

MariaDB yash@haribol64 in prac_16 > show grants for 'haribol'@'localhost';
+-----+-----+
| Grants for haribol@localhost |
+-----+-----+
| GRANT USAGE ON *.* TO 'haribol'@'localhost' IDENTIFIED BY PASSWORD '*A8002BB0CD6DC59F12B0C877AFA720DF988D958F' |
| GRANT ALL PRIVILEGES ON 'prac_16'.'orders' TO 'haribol'@'localhost' |
+-----+-----+

2 rows in set
Time: 0.013s

MariaDB yash@haribol64 in prac_16 > 
```

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```
mycli -h haribol64 -
492.0 b/s 3.9 kb/s 12:09:08 PM
mycli -h haribol64 -

MariaDB yash@haribol64 in (none) > use prac_16;
You are now connected to database "prac_16" as user "yash"
Time: 0.000s

MariaDB yash@haribol64 in prac_16 > show grants for 'haribol'@'localhost';
+-----+
| Grants for haribol@localhost |
+-----+
| GRANT USAGE ON *.* TO 'haribol'@'localhost' IDENTIFIED BY PASSWORD '*A8002BBDCD6DC59F12B0C877AFA72DDF988D958F' |
| GRANT ALL PRIVILEGES ON `prac_16`.`orders` TO 'haribol'@'localhost' |
+-----+

2 rows in set
Time: 0.013s

MariaDB yash@haribol64 in prac_16 > revoke all privileges on prac_16.orders from 'haribol'@'localhost';
Query OK, 0 rows affected
Time: 0.003s

MariaDB yash@haribol64 in prac_16 > show grants for 'haribol'@'localhost';
+-----+
| Grants for haribol@localhost |
+-----+
| GRANT USAGE ON *.* TO 'haribol'@'localhost' IDENTIFIED BY PASSWORD '*A8002BBDCD6DC59F12B0C877AFA72DDF988D958F' |
+-----+

1 row in set
Time: 0.007s

MariaDB yash@haribol64 in prac_16 >

(Semi-colon [;] will end the line) [F3] Multiline: ON
```

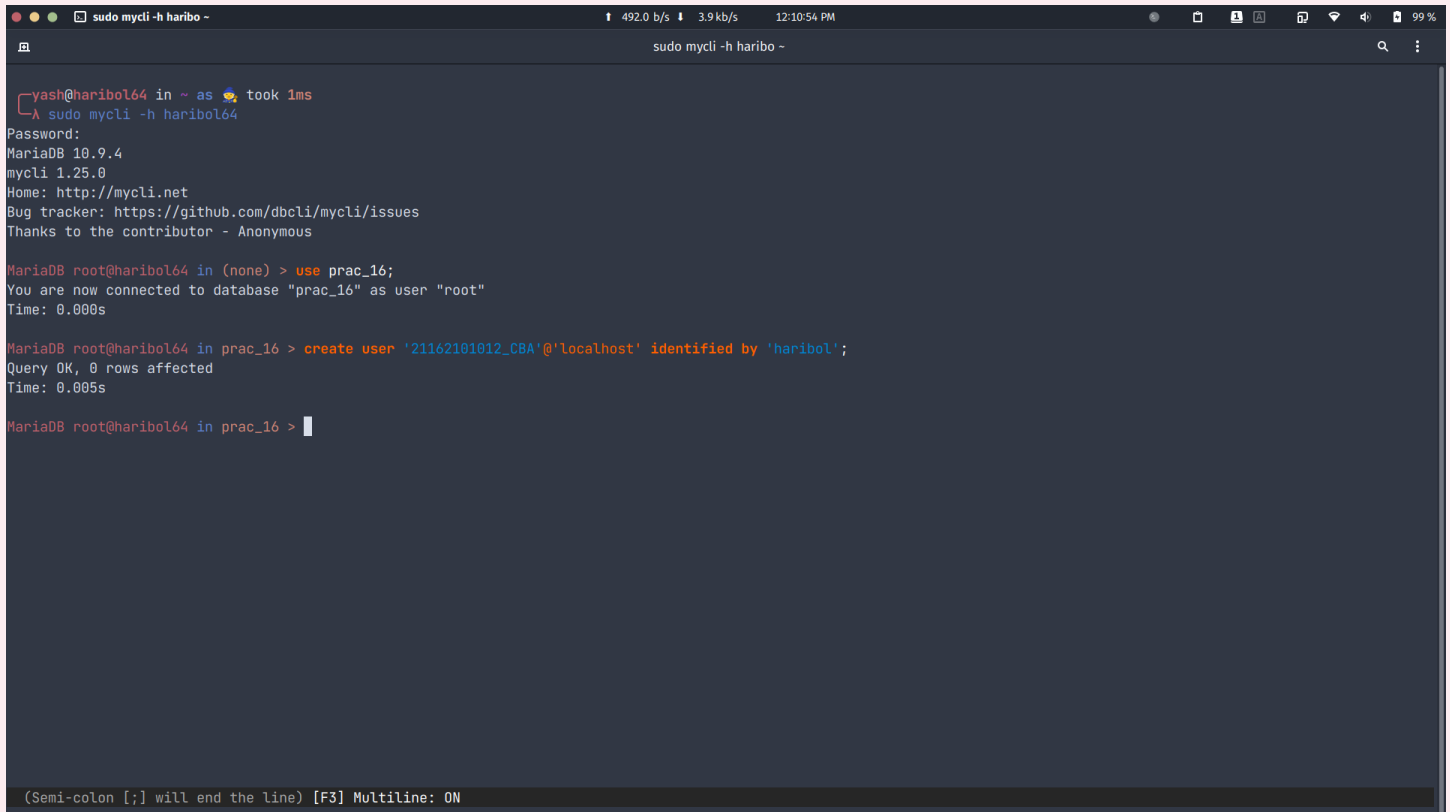
6. Create another user with yourname_branch with a password of your choice

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```
sudo mycli -h haribo -
492.0 b/s 3.9 kb/s 12:10:54 PM
sudo mycli -h haribo -
yash@haribol64 in ~ as 🐚 took 1ms
A sudo mycli -h haribol64
Password:
MariaDB 10.9.4
mycli 1.25.0
Home: http://mycli.net
Bug tracker: https://github.com/dbcli/mycli/issues
Thanks to the contributor - Anonymous

MariaDB root@haribol64 in (none) > use prac_16;
You are now connected to database "prac_16" as user "root"
Time: 0.000s

MariaDB root@haribol64 in prac_16 > create user '21162101012_CBA'@'localhost' identified by 'haribo';
Query OK, 0 rows affected
Time: 0.005s

MariaDB root@haribol64 in prac_16 > 
```

(Semi-colon [;] will end the line) [F3] Multiline: ON

7. Grant him appropriate privileges and remove the column ContactTitle from supplier table

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```
sudo mycli -h haribo -
832.0 b/s 1.5 kb/s 12:11:41 PM
sudo mycli -h haribo -

yash@haribol64 in ~ as 🐙 took 1ms
^ sudo mycli -h haribol64
Password:
MariaDB 10.9.4
mycli 1.25.0
Home: http://mycli.net
Bug tracker: https://github.com/dbcli/mycli/issues
Thanks to the contributor - Anonymous

MariaDB root@haribol64 in (none) > use prac_16;
You are now connected to database "prac_16" as user "root"
Time: 0.000s

MariaDB root@haribol64 in prac_16 > create user '21162101012_CBA'@'localhost' identified by 'haribo!';
Query OK, 0 rows affected
Time: 0.005s

MariaDB root@haribol64 in prac_16 > grant all privileges on prac_16.supplier to '21162101012_CBA'@'localhost';
Query OK, 0 rows affected
Time: 0.004s

MariaDB root@haribol64 in prac_16 >

(Semi-colon [;] will end the line) [F3] Multiline: ON
```

```
mycli -u 21162101012 -
0.0 b/s 0.0 b/s 12:12:46 PM
mycli -u 21162101012 -

yash@haribol64 in ~ as 🐙 took 1ms
^ mycli -u 21162101012_CBA -h localhost
Connecting to socket /var/run/mysqld/mysqld.sock, owned by user mysql
Password:
MariaDB 10.9.4
mycli 1.25.0
Home: http://mycli.net
Bug tracker: https://github.com/dbcli/mycli/issues
Thanks to the contributor - chainkite

MariaDB 21162101012_CBA@localhost in (none) > use prac_16;
You are now connected to database "prac_16" as user "21162101012_CBA"
Time: 0.000s

MariaDB 21162101012_CBA@localhost in prac_16 > alter table supplier drop column ContactTitle;
You're about to run a destructive command.
Do you want to proceed? (y/n): y
Your call!
Query OK, 0 rows affected
Time: 0.015s

MariaDB 21162101012_CBA@localhost in prac_16 >

(Semi-colon [;] will end the line) [F3] Multiline: ON
```


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8. Revoke all the privileges assigned to both the users

```
sudo mycli -h haribo -
376.0 b/s 264.0 b/s 12:16:20 PM
sudo mycli -h haribo -

yash@haribol64 in ~ as 🌤 took 1ms
^ sudo mycli -h haribol64
Password:
MariaDB 10.9.4
mycli 1.25.0
Home: http://mycli.net
Bug tracker: https://github.com/dbcli/mycli/issues
Thanks to the contributor - Daniel Black

MariaDB root@haribol64 in (none) > use prac_16;
You are now connected to database "prac_16" as user "root"
Time: 0.000s

MariaDB root@haribol64 in prac_16 > -- Permissions to previous user are REVOKED in Exercise - 5
--> -- Only latest created user has permission on supplier table
-->
--> revoke all privileges on prac_16.supplier from '21162101012_CBA'@'localhost';

Query OK, 0 rows affected
Time: 0.002s

MariaDB root@haribol64 in prac_16 >

(Semi-colon [;] will end the line) [F3] Multiline: ON
```