



**SAVEETHA SCHOOL OF ENGINEERING**  
**SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES**  
**CHENNAI – 602105**



Course Code	CSA0543	Course title	Database Management Systems for Data Science	
Course Type	Program Core		Branch /SLOT	CSE / Slot A
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## Procedures and Functions

Create a recursive MySQL computing the factorial of a given number using high level programming Extension with Functions.

Create a simple **procedure** to get all the records from the table 'Employee' and List out the name, department, salary where salary > 20000 in the Table.

```
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 22
Server version: 8.0.31 MySQL Community Server - GPL

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

mysql> mysql> use sse;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'mysql> use sse' at line 1
mysql> Database changed
->
-> mysql> show tables;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Database changed'
mysql> show tables' at line 1
mysql> -----
-> | Tables_in_sse |
-> |-----|
-> | bin |
-> | empdept |
-> | empdept |
-> | employee |
-> | marks_view |
-> | marks_view |
-> | mdept |
-> | mentees |
-> | mentees1 |
-> | movies |
-> | per |
-> | persons |
-> | student |
-> | studepartment |
-> | t |
-> |-----|
-> 15 rows in set (0.01 sec)
->
-> mysql> desc student;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-----'
Tables_in_sse
+-----+
| bin |
+-----+
empdept' at line 1
mysql>
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
-> | Rollno | int | NO | PRI | NULL |
-> | Name | varchar(20) | YES | | NULL |
-> | Gender | char(1) | YES | | NULL |
```

```

mysql>
+----+-----+-----+-----+-----+-----+
-> | Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
-> | Rollno | int | NO | PRI | NULL | |
-> | Name | varchar(20) | YES | | NULL | |
-> | Gender | char(1) | YES | | NULL | |
-> | DOB | varchar(10) | YES | | NULL | |
-> | Mobilenr | int | YES | | NULL | |
-> | City | varchar(20) | YES | | NULL | |
-> | District | varchar(20) | YES | | NULL | |
-> | dept | varchar(5) | YES | | NULL | |
-> | age | int | YES | | NULL | |
+----+-----+-----+-----+-----+-----+
-> 9 rows in set (0.01 sec)

->
-> mysql> create user Gowtham;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '+-----' at line 1
+----+-----+-----+-----+-----+-----+
-> | Field | Type | ' at line 1 |
+----+-----+-----+-----+-----+-----+
mysql> Query OK, 0 rows affected (0.03 sec)

->
-> mysql> grant all on student to Gowtham;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Query OK, 0 rows affected (0.03 sec)' at line 1
mysql> Query OK, 0 rows affected (0.02 sec)

->
-> mysql> show grants for Gowtham;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Query OK, 0 rows affected (0.02 sec)' at line 1
mysql> show grants for Gowtham' at line 1
mysql> +-----+
-> | Grants for Gowtham@% |
+-----+
-> | GRANT USAGE ON *.* TO 'Gowtham'@'%' |
-> | GRANT ALL PRIVILEGES ON `sse`.`student` TO 'Gowtham'@'%' |
+-----+
-> 2 rows in set (0.00 sec)

-> mysql> revoke all on student from Gowtham;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '+-----' at line 1
+-----+
-> | Grants for Gowtham' at line 1 |
+-----+
mysql> Query OK, 0 rows affected (0.02 sec)

->
-> mysql> show grants for Gowtham;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Query OK, 0 rows affected (0.02 sec)' at line 1
mysql> show grants for Gowtham' at line 1
mysql> +-----+
-> | Grants for Gowtham@% |
+-----+
-> | GRANT USAGE ON *.* TO 'Gowtham'@'%' |
-> | GRANT SELECT, UPDATE ON `sse`.`persons` TO 'Gowtham'@'%' |
+-----+
-> 2 rows in set (0.00 sec)

-> mysql> revoke update on persons from Gowtham;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '+-----' at line 1
+-----+
-> | Grants for Gowtham' at line 1 |
+-----+
mysql> Query OK, 0 rows affected (0.00 sec)

->
-> mysql> show grants for Gowtham;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Query OK, 0 rows affected (0.00 sec)' at line 1
mysql> show grants for Gowtham' at line 1
mysql> +-----+
-> | Grants for Gowtham@% |
+-----+
-> | GRANT USAGE ON *.* TO 'Gowtham'@'%' |
-> | GRANT SELECT ON `sse`.`persons` TO 'Gowtham'@'%' |
+-----+
-> 2 rows in set (0.00 sec)

```

