icoer@icoer-Vostro-3470:~$ sudo mysql

[sudo] password for icoer:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 17

Server version: 8.0.39-0ubuntu0.24.04.2 (Ubuntu)

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owners.

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

mysql> create database library;

Query OK, 1 row affected (0.11 sec)

mysql> use library;

Database changed

mysql> create table Borrower(Rollno int(4),Name varchar(20),DateofIssue date,NameofBook varchar(30),Status varchar(10));

Query OK, 0 rows affected, 1 warning (1.11 sec)

mysql> insert into Borrower values(14,'Ram','2022-09-19','Operating System','I');

Query OK, 1 row affected (0.12 sec)

mysql> insert into Borrower values(27,'Soham','2022-07-24','Object Oriented Programming','I');

Query OK, 1 row affected (0.12 sec)

mysql>

mysql> insert into Borrower values(27,'Soham','2022-07-24','Object Oriented Programming','I');

Query OK, 1 row affected (0.07 sec)

mysql>

mysql>

mysql>

mysql> insert into Borrower values(34,'Mohan','2022-06-12','Microprocessor','I');

Query OK, 1 row affected (0.07 sec)

mysql> insert into Borrower values(48,'Om','2022-04-19','Mechanics','I');

Query OK, 1 row affected (0.07 sec)

mysql>

mysql>

mysql> select \* from Borrower;

+--------+-------+-------------+-----------------------------+--------+

| Rollno | Name | DateofIssue | NameofBook | Status |

+--------+-------+-------------+-----------------------------+--------+

| 14 | Ram | 2022-09-19 | Operating System | I |

| 27 | Soham | 2022-07-24 | Object Oriented Programming | I |

| 27 | Soham | 2022-07-24 | Object Oriented Programming | I |

| 34 | Mohan | 2022-06-12 | Microprocessor | I |

| 48 | Om | 2022-04-19 | Mechanics | I |

+--------+-------+-------------+-----------------------------+--------+

5 rows in set (0.00 sec)

mysql> delete from Borrower where Name='Soham';

Query OK, 2 rows affected (0.10 sec)

mysql> select \* from Borrower;

+--------+-------+-------------+------------------+--------+

| Rollno | Name | DateofIssue | NameofBook | Status |

+--------+-------+-------------+------------------+--------+

| 14 | Ram | 2022-09-19 | Operating System | I |

| 34 | Mohan | 2022-06-12 | Microprocessor | I |

| 48 | Om | 2022-04-19 | Mechanics | I |

+--------+-------+-------------+------------------+--------+

3 rows in set (0.00 sec)

mysql> insert into Borrower values(48,'Om','2022-04-19','Mechanics','I');

Query OK, 1 row affected (0.07 sec)

mysql> insert into Borrower values(27,'Soham','2022-07-24','Object Oriented Programming','I');

Query OK, 1 row affected (0.08 sec)

mysql> select \* from Borrower;

+--------+-------+-------------+-----------------------------+--------+

| Rollno | Name | DateofIssue | NameofBook | Status |

+--------+-------+-------------+-----------------------------+--------+

| 14 | Ram | 2022-09-19 | Operating System | I |

| 34 | Mohan | 2022-06-12 | Microprocessor | I |

| 48 | Om | 2022-04-19 | Mechanics | I |

| 48 | Om | 2022-04-19 | Mechanics | I |

| 27 | Soham | 2022-07-24 | Object Oriented Programming | I |

+--------+-------+-------------+-----------------------------+--------+

5 rows in set (0.00 sec)

mysql> delete from Borrower where Name='Om';

Query OK, 2 rows affected (0.11 sec)

mysql> select \* from Borrower;

+--------+-------+-------------+-----------------------------+--------+

| Rollno | Name | DateofIssue | NameofBook | Status |

+--------+-------+-------------+-----------------------------+--------+

| 14 | Ram | 2022-09-19 | Operating System | I |

| 34 | Mohan | 2022-06-12 | Microprocessor | I |

| 27 | Soham | 2022-07-24 | Object Oriented Programming | I |

+--------+-------+-------------+-----------------------------+--------+

3 rows in set (0.01 sec)

mysql> insert into Borrower values(48,'Om','2022-04-19','Mechanics','I');

Query OK, 1 row affected (0.09 sec)

mysql> select \* from Borrower;

+--------+-------+-------------+-----------------------------+--------+

| Rollno | Name | DateofIssue | NameofBook | Status |

+--------+-------+-------------+-----------------------------+--------+

| 14 | Ram | 2022-09-19 | Operating System | I |

| 34 | Mohan | 2022-06-12 | Microprocessor | I |

| 27 | Soham | 2022-07-24 | Object Oriented Programming | I |

| 48 | Om | 2022-04-19 | Mechanics | I |

+--------+-------+-------------+-----------------------------+--------+

4 rows in set (0.00 sec)

mysql>

mysql>

mysql> create table Fine(Rollno int(4),Date date,Amount int(10));

Query OK, 0 rows affected, 2 warnings (0.59 sec)

mysql> delimiter //

mysql> create procedure calc\_Fine(in r int(10),in b varchar(30))

-> begin

-> declare doi date;

-> declare diff int(3);

-> select DateofIssue into doi from Borrower where Rollno=r and NameofBook=b;

-> select datediff(curdate(),doi) into diff;

-> if diff>=15 and diff<=30 then

-> insert into Fine values(r,curdate(),diff\*5);

-> end if;

-> if diff>30 then

-> insert into Fine values(r,curdate(),diff\*50);

-> end if;

-> end//

Query OK, 0 rows affected, 2 warnings (0.10 sec)

mysql> delimiter //

mysql> create procedure submit(in r int(2))

-> begin

-> update Borrower set Status='R' where Rollno=r;

-> delete from Fine where Rollno=r;

-> end//

Query OK, 0 rows affected, 1 warning (0.24 sec)

mysql> call calc\_Fine(14,'Operating System');

-> select \* from Fine;

->

-> call calc\_Fine(27,'Object Oriented Programming');

-> call calc\_Fine(34,'Microprocessor');

-> call calc\_Fine(48,'Mechanics');

-> select \* from Fine;

-> call submit(14);

-> call submit(27);

-> call submit(48);

-> call submit(34);

-> select \* from Fine;

->

-> select \* from Borrower;

-> end//

Query OK, 1 row affected (0.09 sec)

+--------+------------+--------+

| Rollno | Date | Amount |

+--------+------------+--------+

| 14 | 2024-11-06 | 38950 |

+--------+------------+--------+

1 row in set (0.10 sec)

Query OK, 1 row affected (0.27 sec)

Query OK, 1 row affected (0.40 sec)

Query OK, 1 row affected (0.50 sec)

+--------+------------+--------+

| Rollno | Date | Amount |

+--------+------------+--------+

| 14 | 2024-11-06 | 38950 |

| 27 | 2024-11-06 | 41800 |

| 34 | 2024-11-06 | 43900 |

| 48 | 2024-11-06 | 46600 |

+--------+------------+--------+

4 rows in set (0.50 sec)

Query OK, 1 row affected (0.77 sec)

Query OK, 1 row affected (0.96 sec)

Query OK, 1 row affected (1.17 sec)

Query OK, 1 row affected (1.34 sec)

Empty set (1.34 sec)

+--------+-------+-------------+-----------------------------+--------+

| Rollno | Name | DateofIssue | NameofBook | Status |

+--------+-------+-------------+-----------------------------+--------+

| 14 | Ram | 2022-09-19 | Operating System | R |

| 34 | Mohan | 2022-06-12 | Microprocessor | R |

| 27 | Soham | 2022-07-24 | Object Oriented Programming | R |

| 48 | Om | 2022-04-19 | Mechanics | R |

+--------+-------+-------------+-----------------------------+--------+

4 rows in set (1.34 sec)

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 'end' at line 1

mysql> call calc\_Fine(14,'Operating System'); select \* from Fine; call calc\_Fine(27,'Object Oriented Programming'); call calc\_Fine(34,'Microprocessor'); call calc\_Fine(48,'Mechanics'); select \* from Fine; call submit(14); call submit(27); call submit(48); call submit(34); select \* from Fine; select \*

from Borrower; //

Query OK, 1 row affected (0.06 sec)

+--------+------------+--------+

| Rollno | Date | Amount |

+--------+------------+--------+

| 14 | 2024-11-06 | 38950 |

+--------+------------+--------+

1 row in set (0.06 sec)

Query OK, 1 row affected (0.13 sec)

Query OK, 1 row affected (0.20 sec)

Query OK, 1 row affected (0.30 sec)

+--------+------------+--------+

| Rollno | Date | Amount |

+--------+------------+--------+

| 14 | 2024-11-06 | 38950 |

| 27 | 2024-11-06 | 41800 |

| 34 | 2024-11-06 | 43900 |

| 48 | 2024-11-06 | 46600 |

+--------+------------+--------+

4 rows in set (0.30 sec)

Query OK, 1 row affected (0.42 sec)

Query OK, 1 row affected (0.52 sec)

Query OK, 1 row affected (0.64 sec)

Query OK, 1 row affected (0.75 sec)

Empty set (0.75 sec)

+--------+-------+-------------+-----------------------------+--------+

| Rollno | Name | DateofIssue | NameofBook | Status |

+--------+-------+-------------+-----------------------------+--------+

| 14 | Ram | 2022-09-19 | Operating System | R |

| 34 | Mohan | 2022-06-12 | Microprocessor | R |

| 27 | Soham | 2022-07-24 | Object Oriented Programming | R |

| 48 | Om | 2022-04-19 | Mechanics | R |

+--------+-------+-------------+-----------------------------+--------+

4 rows in set (0.75 sec)