mysql> drop database if exists A5;e A5;

mysql> DROP PROCEDURE IF EXISTS setFine;

mysql> create database A5;

Query OK, 1 row affected (0.00 sec)

mysql> use A5;

Database changed

mysql> DROP PROCEDURE IF EXISTS setFine;

Query OK, 0 rows affected, 1 warning (0.01 sec)

mysql>

mysql> create table Customer(

-> Cust\_id int not null,

-> Name varchar(30),

-> DateOfPayment date,

-> NameOfScheme varchar(20),

-> Status varchar(10),

-> primary key(Cust\_id)

-> );

mysql>

mysql> create table Fine(

-> Cust\_id int not null,

-> Date date,

-> Amt int,

-> foreign key(Cust\_id) references Customer(Cust\_id) on delete cascade

-> );

Query OK, 0 rows affected (0.05 sec)

mysql>

mysql> insert into Customer VALUES(1, "Prathamesh", "2020-04-8", "High-return", "N" );

mysql> insert into Customer VALUES(2, "Aditya", "2020-03-15", "Low-return", "N" );

Query OK, 1 row affected (0.00 sec)

mysql> insert into Customer VALUES(3, "Sourav", "2020-03-12", "High-return", "N" );

Query OK, 1 row affected (0.00 sec)

mysql> insert into Customer VALUES(4, "Rajesh", "2020-03-1", "Low-return", "N" );

Query OK, 1 row affected (0.01 sec)

mysql> insert into Customer VALUES(5, "Suman", "2020-03-27", "Low-return", "N" );

Query OK, 1 row affected (0.01 sec)

mysql>

mysql>

mysql> delimiter @@

mysql> select \* from Customer@@

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

| Cust\_id | Name | DateOfPayment | NameOfScheme | Status |

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

| 1 | Prathamesh | 2020-04-08 | High-return | N |

| 2 | Aditya | 2020-03-15 | Low-return | N |

| 3 | Sourav | 2020-03-12 | High-return | N |

| 4 | Rajesh | 2020-03-01 | Low-return | N |

| 5 | Suman | 2020-03-27 | Low-return | N |

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

5 rows in set (0.00 sec)

mysql> create PROCEDURE setFine(IN id int, IN NameOfScheme varchar(20))

-> BEGIN

-> declare myFine INT;

-> declare myDate date;

-> declare myStatus VARCHAR(10);

-> declare days int;

-> declare diff int;

-> declare exit handler for 1062

-> select 'Error : Duplicate' as message;

-> declare exit handler for not found

-> select 'Error : Record not found' as message;

-> select DateOfPayment into myDate FROM Customer where Cust\_id = id;

-> SELECT Status into myStatus FROM Customer where Cust\_id = id;

-> select DATEDIFF(CURDATE() , myDate) into diff;

->

-> IF myStatus="N" THEN

-> IF diff>15 AND diff<=30 THEN

-> set myFine = 5\*diff;

-> END IF;

-> IF diff>30 THEN

-> set myFine = 50\*(diff-30) + 75;

-> END IF;

->

-> INSERT INTO Fine VALUES(id, myDate, myFine);

-> UPDATE Customer set Status="P" where Cust\_id = id;

->

-> END IF;

-> END @@

Query OK, 0 rows affected (0.01 sec)

mysql> delimiter ;

mysql>

mysql>

mysql> call setFine(1, "High-return");

Query OK, 1 row affected (0.03 sec)

mysql> select \* from Fine;

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

| Cust\_id | Date | Amt |

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

| 1 | 2020-04-08 | 6525 |

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

1 row in set (0.00 sec)

mysql> select \* from Customer;

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

| Cust\_id | Name | DateOfPayment | NameOfScheme | Status |

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

| 1 | Prathamesh | 2020-04-08 | High-return | P |

| 2 | Aditya | 2020-03-15 | Low-return | N |

| 3 | Sourav | 2020-03-12 | High-return | N |

| 4 | Rajesh | 2020-03-01 | Low-return | N |

| 5 | Suman | 2020-03-27 | Low-return | N |

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

5 rows in set (0.00 sec)

mysql> call setFine(11, "High-return");

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

| message |

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

| Error : Record not found |

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

1 row in set (0.01 sec)

Query OK, 0 rows affected (0.01 sec