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| --- |
| **7)Create a database with following schemas ( pgSQL )**  **Borrower(Rollin, Name, DateofIssue, NameofBook, Status)**  **Fine(Roll\_no,Date,Amt)**  **1. Write a pgSQL block to accept input for Borrower table.**  **2. Write a pgSQL block using control structures to calculate fine by using the following rules:**  **a. check the number of days (from date of issue), if days are between 15 to 30 then fine amount will be Rs 5per day**  **b. If no. of days>30, per day fine will be Rs 50 per day**  **c. for days less than 30, Rs. 5 per day.**  **After submitting the book, status will change from I to R. If condition of fine is true, then details will be stored into fine table.** |

unix@unix-HP-dx2480-MT-KL969AV:~$ **sudo -i -u postgres**

[sudo] password for unix:

postgres@unix-HP-dx2480-MT-KL969AV:~$ psql

psql (9.5.2)

Type "help" for help.

mysql> create database assg7;

mysql> use assg7;

Database changed

mysql> create table borrower(roll\_no int, name varchar(20), date\_of\_issue date, book\_name varchar(20), status int);

mysql> create table fine(roll\_no int, date\_of\_fine date, amount int);

mysql> insert into borrower values(1, "Daisy", '2019-08-01', "abc", 0);

mysql> insert into borrower values(2, "Henry", '2019-08-10', "def", 1);

mysql> insert into borrower values(3, "Oswald", '2019-08-15', "xyz", 0);

mysql> insert into borrower values(4, "Noddy", '2019-07-15', "pqr", 0);

mysql> insert into borrower values(5, "Thomas", '2019-07-31', "lmo", 0);

mysql> insert into borrower values(6, "Bob", '2019-06-14', "klm", 0);

mysql> insert into borrower values(7, "Dora", '2019-07-13', "klm", 1);

mysql> insert into borrower values(8, "Ash", '2019-07-28', "klm", 1);

mysql> insert into borrower values(9, "Bean", '2019-08-13', "klm", 0);

mysql> insert into borrower values(10, "Tom", '2019-08-01', "def", 1);

mysql> select \* from borrower;

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

| roll\_no | name | date\_of\_issue | book\_name | status |

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

| 1 | Daisy | 2019-08-01 | abc | 0 |

| 2 | Henry | 2019-08-10 | def | 1 |

| 3 | Oswald | 2019-08-15 | xyz | 0 |

| 4 | Noddy | 2019-07-15 | pqr | 0 |

| 5 | Thomas | 2019-07-31 | lmo | 0 |

| 6 | Bob | 2019-06-14 | klm | 0 |

| 7 | Dora | 2019-07-13 | klm | 1 |

| 8 | Ash | 2019-07-28 | klm | 1 |

| 9 | Bean | 2019-08-13 | klm | 0 |

| 10 | Tom | 2019-08-01 | def | 1 |

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

mysql> DELIMITER $$

mysql> Create procedure insertborrower(IN roll\_no int, IN name varchar(20), IN date\_of\_issue date, IN book\_name varchar(20), IN status int)

-> begin

-> insert into borrower values(roll\_no,name,date\_of\_issue,book\_name,status); ->

-> END$$

Query OK, 0 rows affected, 3 warnings (0.06 sec)

mysql> call insertborrower(11,"Jerry",'2019-07-30',"efg",1);

-> \c

mysql> DELIMITER ;

mysql> call insertborrower(11,"Jerry",'2019-07-30',"efg",1);

Query OK, 1 row affected (0.05 sec)

mysql> select \* from borrower;

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

| roll\_no | name | date\_of\_issue | book\_name | status |

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

| 1 | Daisy | 2019-08-01 | abc | 0 |

| 2 | Henry | 2019-08-10 | def | 1 |

| 3 | Oswald | 2019-08-15 | xyz | 0 |

| 4 | Noddy | 2019-07-15 | pqr | 0 |

| 5 | Thomas | 2019-07-31 | lmo | 0 |

| 6 | Bob | 2019-06-14 | klm | 0 |

| 7 | Dora | 2019-07-13 | klm | 1 |

| 8 | Ash | 2019-07-28 | klm | 1 |

| 9 | Bean | 2019-08-13 | klm | 0 |

| 10 | Tom | 2019-08-01 | def | 1 |

| 11 | Jerry | 2019-07-30 | efg | 1 |

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

11 rows in set (0.00 sec)