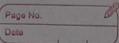
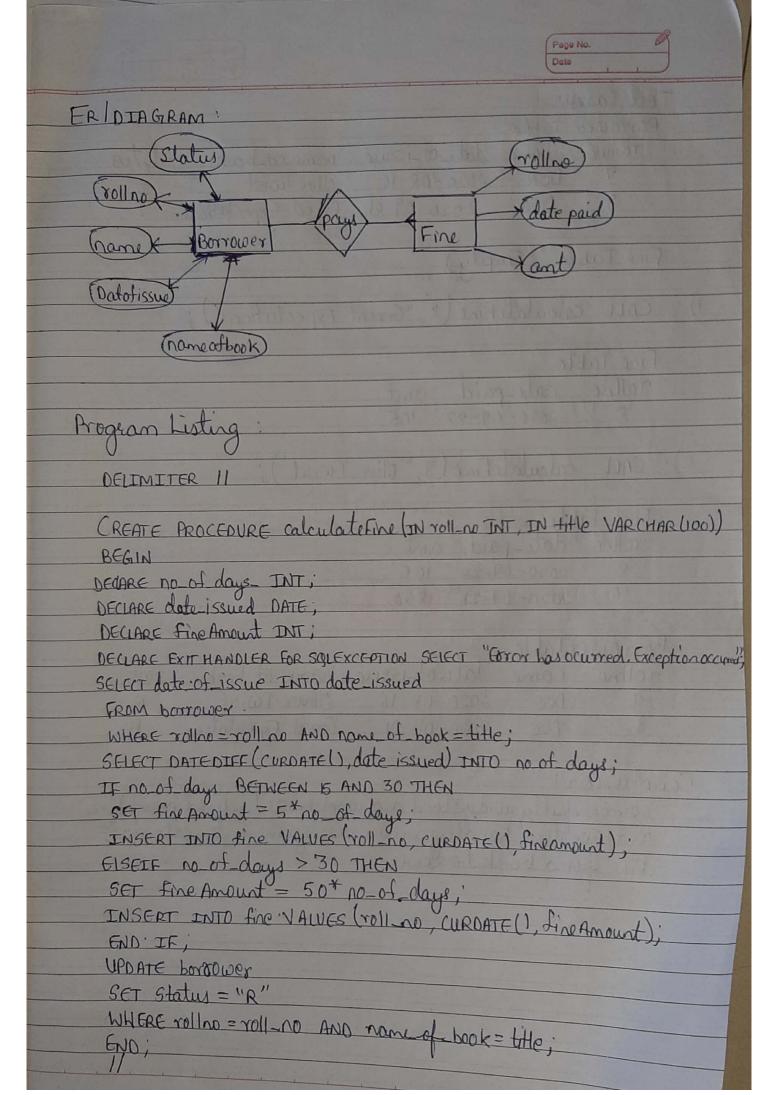
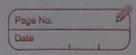
ROll No = 31147 DBMSL Assignment Oute of Submission: 12/11/20 Date of Completion: 12/9/20 Problem Statement Write a P 1501 block of code for the following requirement Schema: Cust-id, Name, Date of payment, Name of Schema Fine (cust-id, Date, Ant Accept cust id and some of Scheme from Check the number of days from date of days are between 15 to 30 then fine amount in 3) If no of days >30 the fire will be 50 peday as days less without 30, 5 Rs per day.
4) If payment, status will change form I' to 5) I condition is true, the details will be stored into Objection And Outcomes Understand the Exception handling in Procedures 3) Should be able to understand the Exception in PISQL SQL is a combination of SQL along with procedural features of programming language. It was developed by Practe Cooperation the leady 90's to Sentance the capabilities of SQL PUSQL is one of the three key programming languages embedded is its Isol is defined by the Keywords DECLARE, BEGIN, EXCEPTION, END Malarative statements that declare variables constants and other code elements which can be used within the 2) Executable: Statements that mer when block is executed 3) Exception Handling: A specially estrutured section you can executables we into error



Exception Handling occurs inside a stored process to hardle it appropriately su ition such as valerings or declare a hardler you use du declare Hardle statement and continue based or the action action accepts one of the following value i) CONTINUE ii) EXIT ies a particular condition activate the handles. Il the following values A standard Squistate value Or it can be an SOL Warning NOTFOUND Or SQLEXCEPTION condition, which up SBLSTATE values. Examples for MySQL whole bandli DECLARE CONTINE HANDLER FOR SQUERCEPTION





Page No. Date
Test Cases:
Borrower table. roolloo name date of issue rame of book status 7 Doe 2020-08-16 olive Twist I 8 Doe 2020-09-01 Great Expectations. I.
Fine Table (Empty)
1) CALL calculateFine (8, "Great Expectations");
Fine Table Yollno date-paid ant. 8 2020-09-22 105.
2) CALL calculate Fine (7, " Olive Twist");
Fine Table rollno date-paid ant. 8 2020-09-22 105 7 2020-69-22 1850
Borrower Table. roll no name date-of-issue name of book status 1 Doc 2020-08-16 Oliver Twist R 8 Doc 2020-09-01 Great Expectation R.
Conclusion: Successfully understood and implemented stored procedures and Exception handling in the assignment to calculate Fire for a book bore once.
Carried O miles are the control of the control of
The state of the s
The delivery on the mile with apple

```
MySQL 8.0 Command Line Client
mysql> SELECT * FROM borrower;
 rollno name
                    date_of_issue | name_of_book
                                                        status
      1 | Pradyumna | 2020-09-12
                                    Harry Potter 1
                                                        I
        Shubham
                                    Harry Potter 2
                                                        I
      2
                    2020-09-13
                    2020-09-14
                                    Harry Potter 3
        Pranav
                                                        l I
                                   Harry Potter 1
Harry Potter 2
Harry Potter 3
Oliver Twist
      4
        John
                    2020-08-29
                                                        I
          Will
                    2020-07-29
                                                        I
          Mickey
                    2020-08-15
                                                        I
      6
                    2020-08-16
          Doe
                                                        II
      8 Doe
                    2020-09-01
                                    | Great Expectations | I
8 rows in set (0.00 sec)
mysql> SELECT * FROM fine;
Empty set (0.00 sec)
mysql> CALL calculateFine(1,"Harry Potter 1");
Query OK, 1 row affected (0.01 sec)
mysql> SELECT * FROM borrower;
 rollno | name
                  | date_of_issue | name_of_book
                                                     status
      1 | Pradyumna | 2020-09-12
                                     Harry Potter 1
                                                        R
        Shubham
                    2020-09-13
                                     Harry Potter 2
                                                        I
        Pranav
                    2020-09-14
                                     Harry Potter 3
                                                        I
                    2020-08-29
      4
          John
                                     Harry Potter 1
                    2020-07-29
          Will
                                     Harry Potter 2
      6
          Mickey
                      2020-08-15
                                     Harry Potter 3
                                                          I
          Doe
                      2020-08-16
                                     Oliver Twist
      8 |
          Doe
                    2020-09-01
                                    | Great Expectations | I
8 rows in set (0.00 sec)
mysql> SELECT * FROM fine;
 rollno | date_paid | amt
      1 | 2020-09-29 | 85 |
1 row in set (0.00 sec)
mysql> CALL calculateFine(1,"Harry Potter 1");
 Already returned
 Already returned
```

```
mysql> CALL calculateFine(1,"Harry Potter 1");
 Already returned
Already returned
1 row in set (0.00 sec)
Query OK, 0 rows affected (0.01 sec)
mysql> CALL calculateFine(2,"Harry Potter 1");
RECORD NOT FOUND
RECORD NOT FOUND
1 row in set (0.00 sec)
Query OK, 0 rows affected (0.01 sec)
mysql> CALL calculateFine(6,"Harry Potter 3");
Query OK, 1 row affected (0.01 sec)
mysql> SELECT * FROM fine;
| rollno | date_paid | amt
      1 | 2020-09-29 | 85
      6 | 2020-09-29 | 2250
2 rows in set (0.00 sec)
mysql> SELECT * FROM borrower;
```

rollno	name	date_of_issue	name_of_book	status
1	Pradyumna	2020-09-12	Harry Potter 1	R
2	Shubham	2020-09-13	Harry Potter 2	I
3	Pranav	2020-09-14	Harry Potter 3	I
4	John	2020-08-29	Harry Potter 1	I
5	Will	2020-07-29	Harry Potter 2	I
6	Mickey	2020-08-15	Harry Potter 3	R
7	Doe	2020-08-16	Oliver Twist	I
8	Doe	2020-09-01	Great Expectations	I

8 rows in set (0.00 sec)

mysql>