CODE

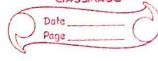
```
mysql> drop database if exists A5;
mysql> DROP PROCEDURE IF EXISTS setFine;
mysql> create database A5;
Query OK, 1 row affected (0.00 sec)
mysql> use A5;
Database changed
mysql> DROP PROCEDURE IF EXISTS setFine;
Query OK, 0 rows affected, 1 warning (0.01 sec)
mysql>
mysql> create table Customer(
  ->
                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)
mvsql>
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)
mvsal>
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 \text{ 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;
```

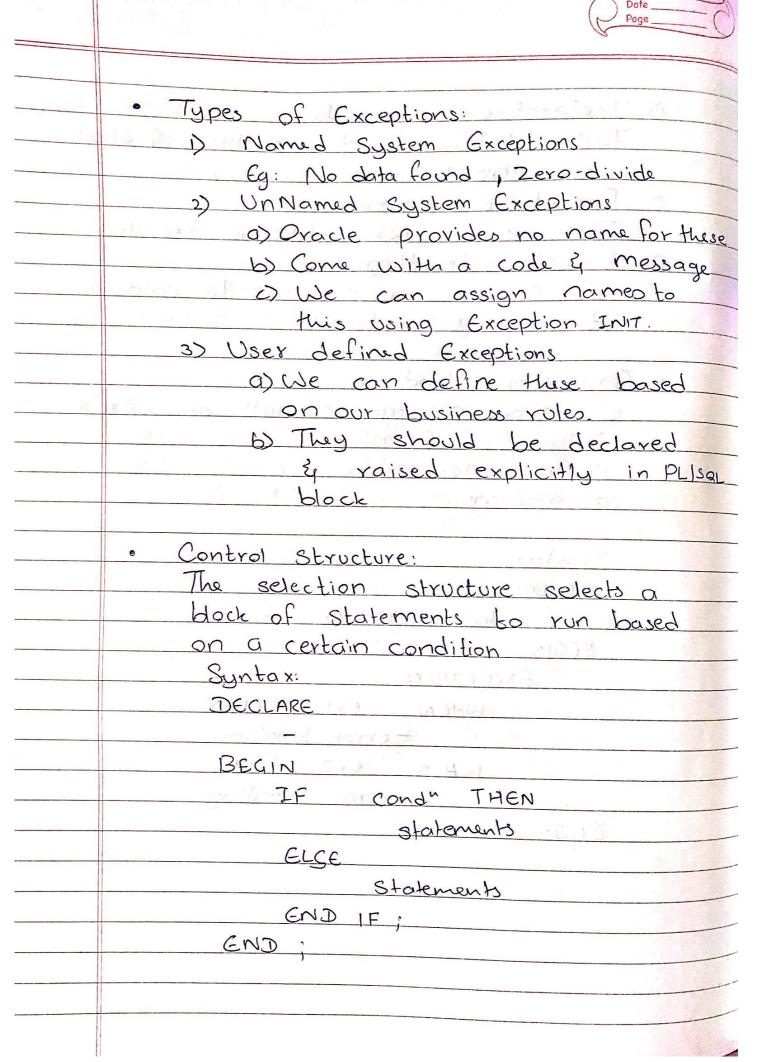
```
mysql>
mysql>
mysql> call setFine(1, "High-return");
Query OK, 1 row affected (0.03 sec)
mysql> select * from Fine;
+----+
| Cust_id | Date | Amt |
+----+
1 | 2020-04-08 | 6525 |
+----+
1 row in set (0.00 sec)
mysql> select * from Customer;
+-----+
| Cust_id | Name | DateOfPayment | NameOfScheme | 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
           | 2020-03-01 | Low-return | N
   4 | Rajesh
   5 | Suman | 2020-03-27 | Low-return | N
+-----+
5 rows in set (0.00 \text{ 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)
```

| | Assignment 5 |
|-----|--|
| | edition in a long and the action of the |
| • | Title: PLISQL block |
| | and broad mileans a bern share |
| | Date of Completion: 9/9/20 |
| | sold & strangerapoli octo & 18 . |
| 0 | Date of Submission: 30/9/20 |
| | The state of the s |
| P | Problem Statement: |
| | Write a PLISQL block of code for the following |
| | requirements. |
| | Schema: |
| - 1 | Customer (Cust_id, Name, Date of Payment |
| | Name of scheme, status) |
| | Fine (Cust-id, Date, Amt) |
| | lor bear to be possible |
| | 1. Accept Cust_id & name of scheme |
| | 2 Check no of days from date of payment |
| | a) It between 15-30 days: Fine 51day |
| | b) Greater than 30 days: Fine 50/day |
| | 3. After payment status changes from N to P |
| | 4. If condition of fine is true, add into |
| - | Fine table. |
| | BULLARY PEULA EXCENSE & EAST |
| • | Objective: / with million but have |
| |) To understand PLISQL block |
| | 2) To understand exception handling. |
| | 3) To apply control structure. |
| | |
| | |
| | |

| | Date |
|----------------|--|
| | |
| | C 1 |
| ٥ | Outcome: |
| | Students will be able to apply |
| | PLISQL block, user defined & |
| | predefined exception handling. |
| | all a manager |
| | SIW & HIW Requirements: |
| | Windows 10, MYSAL, 15 processor, |
| | keyboard, mouse. |
| | Theory: |
| | The state of the s |
| | * ORACLE |
| | AMPLISAL - COMMENTER |
| | It stands for procedural language |
| | Structured Query language, PLISal |
| | offers a set of procedural |
| | commands (IF statements, loops, |
| P _e | assignments), organised within |
| | blocks that complement & extend |
| | the reach of SQL. |
| 4 . 1 | Or in Contract States of the |
| | Blocks of PLISAL:- |
| | A block is defined by the keywords |
| | DECLARE BEGIN, EXCEPTION & END |
| | Which breakup the block into 3 sections. |
| | S SECTIONS. Secretary S |
| | med ye has a discount of the same |
| | |
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| | |
| 11 | |



| Declarative Statements: | |
|--|---|
| That declare constants, variables, & other | |
| code elements. | |
| Executable Statements: | |
| That are run when block is executed | |
| Exception handling: | |
| A section you can use to catch or | |
| trap any exceptions. | |
| 10 topose & 1, my laby 1201 00 | |
| Exception Handling: | |
| Exception message consists of 3 parts: | |
| D Type of Exception | |
| 2) An error code | |
| 3) message. | |
| | |
| Syntax: multivate billion | |
| DECLARED MORE MANAGER AND MANA | |
| BEGIN declarersection | |
| EXCEPTION COMMENT | |
| WHEN EXI TEHEN | |
| - error handling | |
| LINCOL EX2 THEN | |
| ASH error handling | |
| END champlate | - |
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| - | MYSAL |
|---|--|
| - | Stored Procedures (Subroutine Sub Program) |
| | 1912 Johnson Solomer |
| | Syntax: |
| | of an institute of the second of the second |
| | Create procedure procedure name (parameters) |
| | BEGIN BEGIN |
| | DECLARE DISTURY |
| | - declaration |
| | - Execution |
| | END; CN3 |
| | arka and to have to have |
| | · Dropping a procedure |
| | DROP procedure procedure-nome |
| | 1 3330.C 21 7011W |
| | · Parameters: |
| | IN- passing parameters when calling |
| | OUT - value of parameter changes |
| | in procedure & a processed |
| | output is received. |
| | INDUT - pass initial value change |
| | It & then receive it. |
| | • |
| | |
| | · Calling a Procedure: |
| | Syntax: |
| | call procedure-name (parameters) |
| | |
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| | CIASSMALE |
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| | Date Page |
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| | Toot chois: |
| 0 | TEST CASES: |
| | input expected output Status |
| | |
| 1) | Call pro1 (1, 'recurring') 1, 2020-09-09 Yes Amt = 150 |
| and the | um 100) 1000 11/2 100 HMt = 150 |
| | call prod (4, 'fixed') customer has Yes |
| 2) | already paid |
| | no to 12 x 3 x 3 |
| | |
| Ð | Conclusion: Thus we have learnt about PLISQL |
| | Thus we have rearried |
| | block, exception handling & |
| | implemented the same in Mysal |
| | |
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