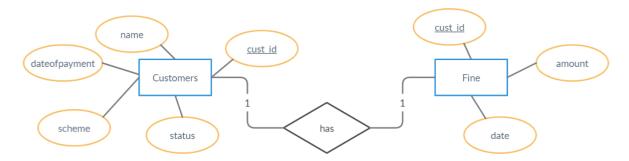
Roll No -: - 31384

ER Diagram:



Code:-

/* Assignment 5 */

create database plsql;

use plsql;

show tables;

create table Customers (cust_id int,CustName varchar(230),Dateofpayment date,Nameofscheme varchar(230),status varchar(230), Primary key(cust_id));

create table fine(cust_id int,Dateof date ,amt int , Foreign key(cust_id) REFERENCES Customers(cust_id));

insert into Customers (cust_id,CustName,Dateofpayment,Nameofscheme,status) values(1,'Swapnil Ghule',STR_TO_DATE("August 10 2020", "%M %d %Y"),'ABC','not return');

insert into Customers (cust_id,CustName,Dateofpayment,Nameofscheme,status) values(2,'Ganesh Shinde',STR_TO_DATE("August 29 2020", "%M %d %Y"),'PQR','not return');

insert into Customers (cust_id,CustName,Dateofpayment,Nameofscheme,status) values(3,'Sourabh Chile',STR_TO_DATE("may 09 2020", "%M %d %Y"),'XYZ','not return');

insert into Customers (cust_id,CustName,Dateofpayment,Nameofscheme,status) values(4,'Atul Kulkarni',STR_TO_DATE("August 30 2020", "%M %d %Y"),'KLM','not return');

insert into Customers (cust_id,CustName,Dateofpayment,Nameofscheme,status) values(5,'Rushikesh Wanjare',STR_TO_DATE("September 2 2020", "%M %d %Y"),'LOI','not return');

select * from Customers;

SET SQL_SAFE_UPDATES = 0;

update Customers set status=" - ";

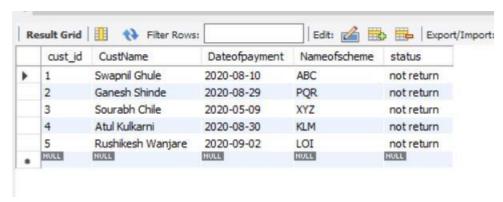
```
call calcFine(1,"Swapnil Ghule");
call calcFine(2,"Ganesh Shinde");
call calcFine(3,"Sourabh Chile");
call calcFine(4,"Atul Kulkarni");
```

```
call calcFine(5,"Rushikesh Wane");
select * from fine;
truncate table fine;
DELIMITER //
  create procedure calcFine(id int, nameC varchar(15))
   begin
         #Declare variable for storing days
         declare days integer;
         #Exception Handling
         declare continue handler for not found
    begin
            select 'NOT FOUND';
    end;
         # Select difference betwen two dates
         select DATEDIFF(curdate(), Dateofpayment) into days from Customers where cust_id = id AND
Custname=nameC;
         #condition 1
         if( days>15 and days<30 )
         then
           insert into fine values(id, curdate(), (days*5));
         end if;
         #condition2
         if( days>30 )
     then
       insert into fine values(id, curdate(), (days*50));
    end if;
```

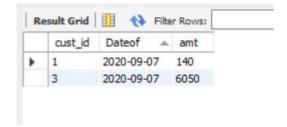
```
update Customers set status='return' where cust_id = id;
end;
//
DELIMITER;
drop procedure calcFine;
```

Output:-

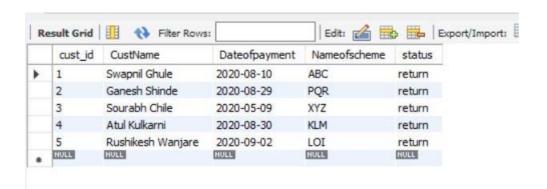
Customer Table before the calling the procedure . all are marked as not return fine status



Fine table after calling the procedures for all five customers. since there are only 2 customers whose date is overdue so fine is applicable only to them.



Customer table after procedure called so all status is marked as return.



Title: Write PLISOR block of code for given requirements

Problem statements - Write PLISQL block of codo for following require ments

> Create the two table customer of fine Calculate fine using PL-son rode.

objective: . To understand the control structure.

· To understand exception handling in RIJOL

slw package. Sal package.

Learning objective

- . To understand the control structure.
- . To write error free sql-code
- 1.) Accept cust-id & name of schame from uses 2) their the no. of days if days beth 15 to 30 then fine amt RS 5 per day.
 3) If no of days > 30 then will be
 - Rs 50 pre day.
 - 4) after payment, thange the status.

Theory :

- · PL-SOL Stands for procedural language / sturbed · PL-sel offers a set of procedural comment

Blocks of PL-SQL:-

It is defined by DECLARE, BEGIN, EXCEPTION and END

- i) Declarative: statement that declares variables, constants lather code element
- ii) Executable: Stylement that are run when the block is executed.
- iii) Exception handling a specially standard Section you can use to catch of lop, any exception that are raised when executable section runs

Hello world: Brigian example

BEGIN

DBMS. OUTPUT. put-like ("hellowurld" END



Exception handling =

Pl sol provides feature to handle the exception which occurs in Pl-sol block known as exception thandling using Exception handling we can test the code of avoid it from existing abruptly.

Structure of Exception

DECLARE

declaration section

BEGIN MARKET HARMAN

Exception section

Exception

when ex-hame then
erpro hundling statement

HOHADYO bylitst

END;

when an exaption raised , Ovaile searcher for an appropriate exaption hundles the exaption for eg. nome raised the error is nandled accordingly. Types of exception. 1) Named system exception:
Automatically raised by Oracle, when
program violates the role. These exception do not occur frequently

These exception have code & message ii) Use E-defined oxception on business rule. These use known as yez-defined exception. onclusion = Hence we implemented PL-SQL with exception handling.