DBMS II LAB 03

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Note: Remember to write down your commands and errors encountered in a notepad file to be evaluated.

Any kind of plagiarism is going to be severely penalized.

TASK DESCRIPTION

Consider the following entities:

1. *Acc_type < ID,Name,IRate,GraceP >*

   GraceP: 1 = every 3 months, 2 = every 6 months

2. *Customers < ID, Name, DOB, Address >*

3. *Accounts < AccNo, CID, Acc_type (FK), OpenDt, Current_Balance,LastDtIntgiven >*

4. *Transactions < Dt, AccNo (FK), Tp (type: deposit or withdraw),Amount >*

Task A

Now write a function (or more) to satisfy the following requirements:

Input: Customer ID.

Output: Status

Status Domain: <CIP, VIP, ORDINARY>

Algorithm for Status evaluation: If his current balance is more than 100000 then his status is VIP. If his current balance is between 40000 and 100000 then his status is IMPORTANT. Otherwise, ORDINARY.

Task B

Write a function to update a customer's current balance based on:

If today's date is between 1 and 3 months when compared with LastDtIgiven then calculate his interest based on the corresponding table (i.e. Acc type).

If today's date is between 3 and 6 months when compared with LastDtIgiven then calculate

his interest based on the corresponding table (i.e. Acc type).

Hint: You can use the MONTHS_BETWEEN(date1, date2) function to calculate the number of months between date1 and date2.

```
SELECT MONTHS_BETWEEN( TO_DATE('02-02-2015','DD-MM-YYYY'),
    TO_DATE('12-01-2014','DD-MM-YYYY') ) AS "Months" FROM DUAL;


--OUTPUT:


    Months
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12.6774194
```