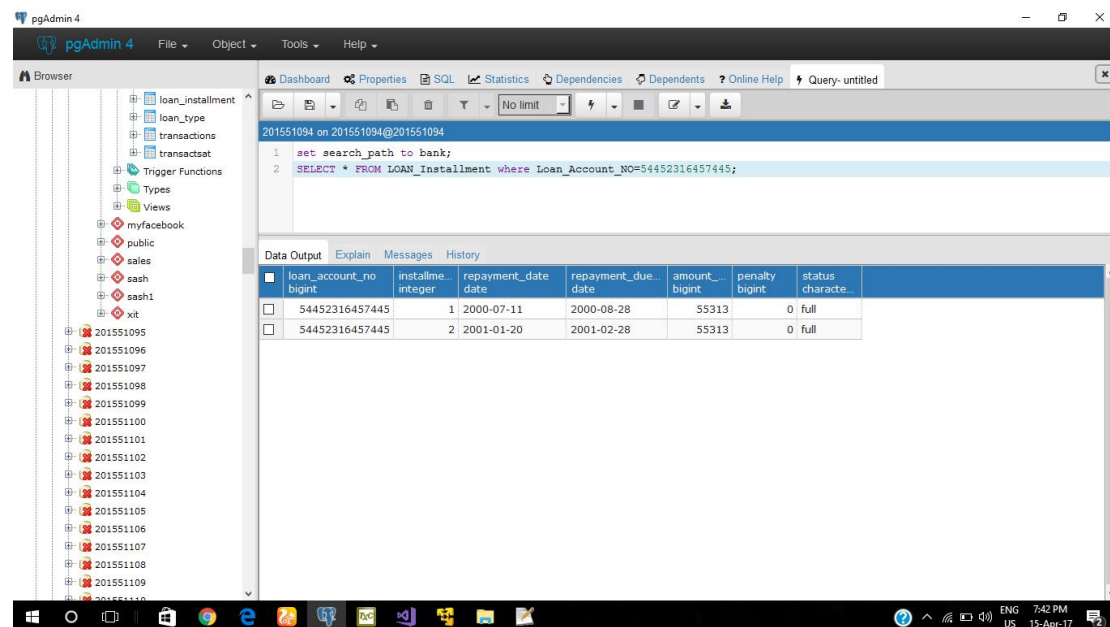


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PGAdmin -

Q.1. Display all the installment paid by the account no

SELECT * FROM LOAN_Installment from where Loan_Account_No = 54452316457445;



The screenshot shows the pgAdmin 4 interface. On the left is the 'Browser' pane with a tree view of database objects. The main pane displays a SQL query in the 'Query' tab:

```
1 set search_path to bank;  
2 SELECT * FROM LOAN_Installment where Loan_Account_No=54452316457445;
```

Below the query editor, the 'Data Output' tab shows the results of the query in a table format:

loan_account_no bigint	installme... integer	repayment_date date	repayment_due... date	amount... bigint	penalty bigint	status characte...
54452316457445	1	2000-07-11	2000-08-28	55313	0	full
54452316457445	2	2001-01-20	2001-02-28	55313	0	full

Print insurance log of a customer

B) select cif_no,policy_no, installment_no_insurance ,
amount ,INSTALLMENT_DATE,NEXT_INSTALLMENT_DATE
from insurance natural join insurance_installment
where CIF_No = 65546646846;

The screenshot shows the pgAdmin 4 interface. On the left, a tree view displays the database schema, including tables like 'customer_income_source', 'employee', 'insurance', and 'loan'. The 'insurance' table is expanded, showing columns such as 'policy_no', 'insurance_type', 'premium_start_date', 'date_of_claim', 'cif_no', 'nominee_cif_no', 'ifsc_code', and 'status'. The main pane shows a SQL query executed on the 'insurance' table, filtering for 'cif_no = 65546646846'. The query is as follows:

```

1
2 select cif_no,policy_no, installment_no,insurance , amount ,INSTALLMENT_DATE,NEXT_INSTALLMENT_DATE
3 from insurance natural join insurance_installment
4 where CIF_No = 65546646846;

```

The 'Data Output' tab displays the results of the query in a table format:

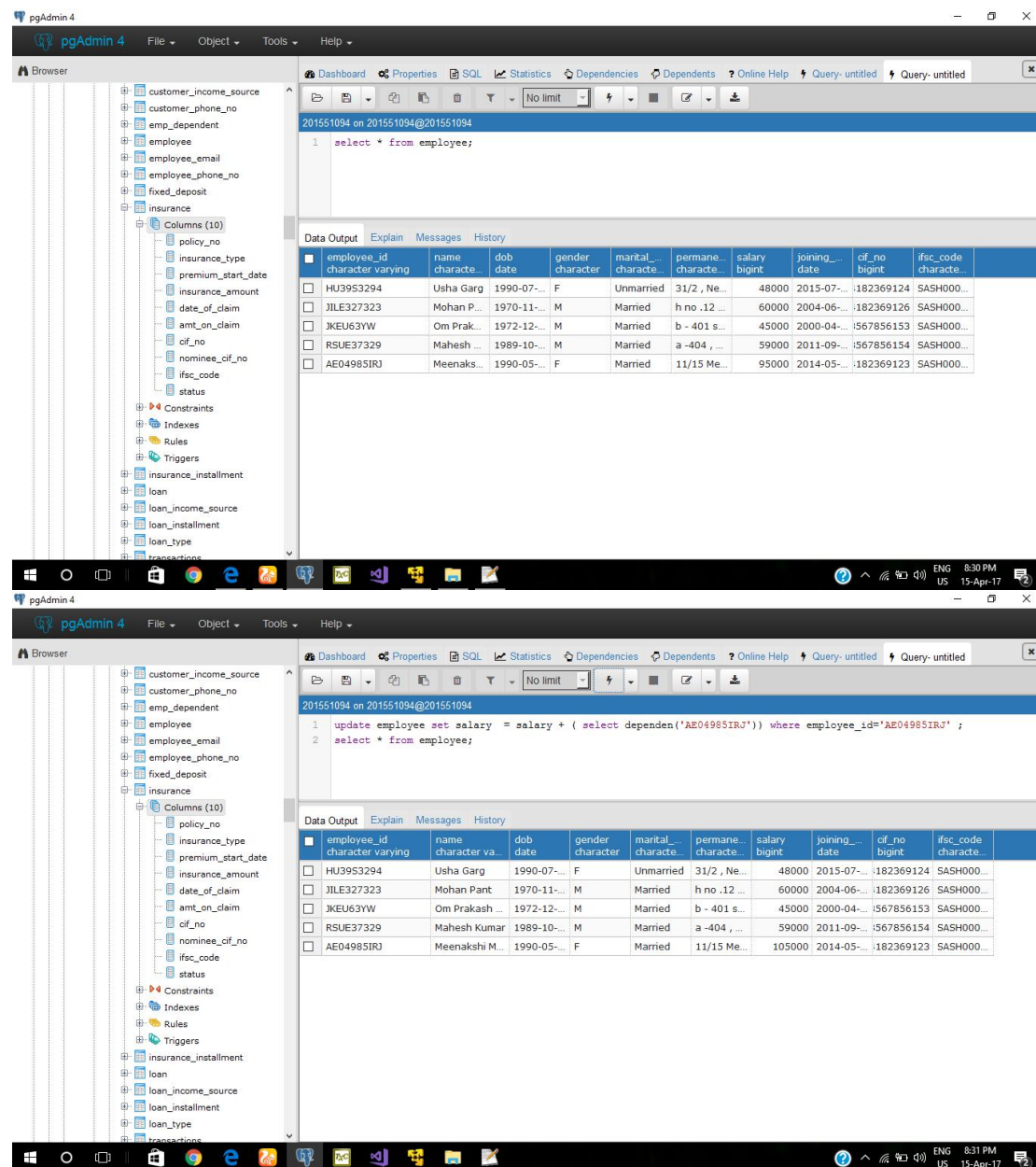
cif_no bigint	policy_no bigint	installme... integer	amount real	installme... date	next_ins... date
65546646846	14715715187	1	10000	2007-08-...	2008-08-...
65546646846	14715715187	2	10000	2008-08-...	2009-08-... 2008-08-26
65546646846	14715715187	3	10000	2009-08-...	2010-08-...
65546646846	14715715187	4	10000	2010-08-...	2011-08-...
65546646846	14715715187	5	10000	2011-08-...	2012-08-...

c)

Update salary of employee along with education allowance

set search_path to bank;

update employee set salary = salary + (select dependen('AE04985IRJ')) where employee_id='AE04985IRJ' ;

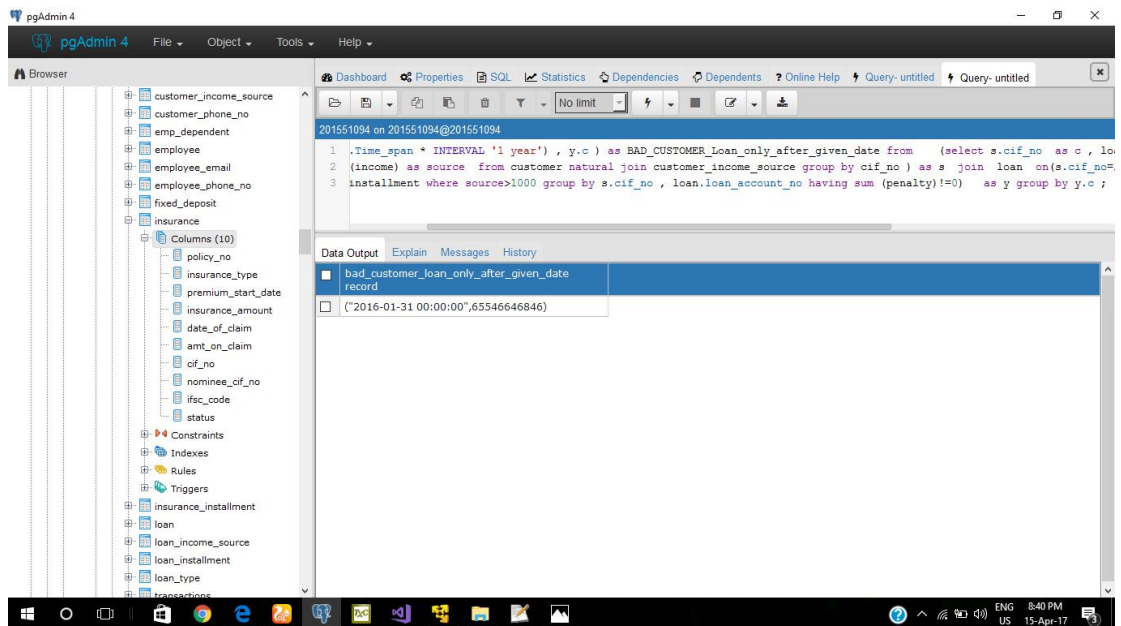


D)

Time uptil which we will not give loan to bad cutomer

set search_path to bank;

```
SELECT( max(y.m + y.Time_span * INTERVAL '1 year') , y.c ) as BAD_CUSTOMER
_Loan_only_after_given_date from (select s.cif_no as c , loan_disbursement_date as
m ,loan_account_no ,time_Span from (
select cif_no , sum(income) as source from customer natural join customer_income_source
group by cif_no ) as s join loan on(s.cif_no=loan.cif_no)
natural join loan_installment where source>1000 group by s.cif_no , loan.loan_account_no
having sum (penalty)!=0 ) as y group by y.c ;
```



E)

#transactions on a particular date

set search_path to bank;

select count(*),s.d from (select tid , (select extract_date(time_stamp)) as d from transactions) as s group by s.d;

