SET B Bank Database

```
-- create
create table branch(bid int primary key,brname varchar(20),bcity varchar(20));

create table customer(cid int primary key,cname varchar(20),cadd varchar(20),bcity varchar(20));

create table loan(lid int primary key,lamtr int,lamta int,ldate date);

create table bcl(bid int references branch(bid),cid int references customer(cid),lid int references
loan(lid));

insert into branch values(1,'nigdi','pune');

insert into branch values(2,'akurdi','pune');

insert into customer values(101,'ram verma','yamunanagr','pune');

insert into loan values(201,100000,80000,'12/15/2012');

insert into bcl values(1,101,201);

select * from branch;

select * from customer;

select * from loan;

select * from bcl;

--Exercise:

--Question:
--1. find name of customers  for the Nigdi branch
select cname from customer a,branch b,bcl c where b.brname='nigdi' and a.cid=c.cid and b.bid=c.bid;


--2)Write a function that returns the total number of customers of a particular branch(accept branch
name as input parameter)

create or replace function total_cust(name1 text) returns int as'
declare
cnt int;
begin
select into cnt count(cid) from branch a,customer b,bcl c where brname=name1 and a.bid=c.bid and
b.cid=c.cid;
return cnt;
end;
'language plpgsql;

--select total_cust('nigdi');
```

--3)Write a function to find the maximum loan amount approved.

```
create or replace function max_amt() returns text as'
declare
name text;
amnt int;
begin
select into name,amnt a.brname,max(lamta) from branch a,loan b,bcl c where a.bid=c.bid and
b.lid=c.lid group by a.brname;
name:=name||"  "||amnt;
return name;
end;
'language plpgsql;
```