create table items(ino int primary key,

iname varchar(20));

create table suppliers(sno int primary key,

sname varchar(20),

address varchar(20),

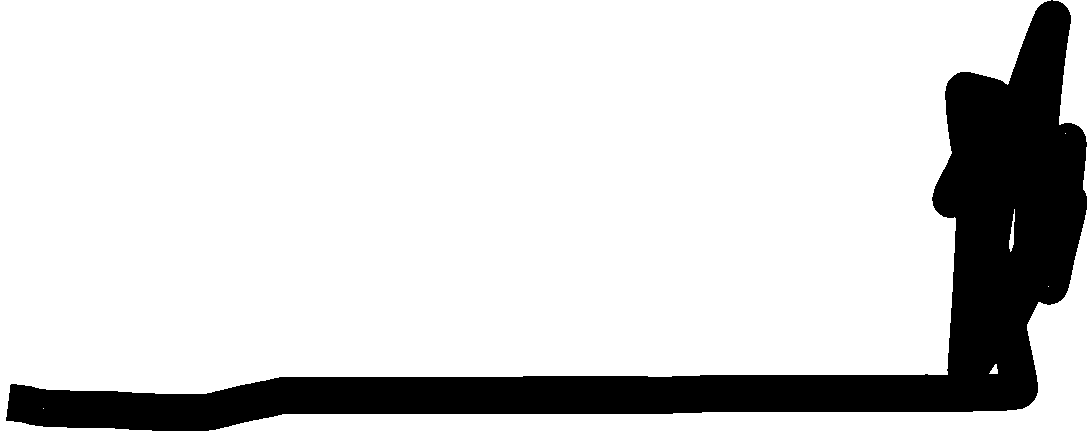
city varchar(10));

create table itmsup(ino int references item,

sno int references supplierss,

qty int,rate int);

ans int;



begin

select count(supplierss.sno)into ans from item,supplier,itmsup where item.ino=itmsup.ino and

supplierss.sno=itmsup.sno and item.iname=itm;

return ans;

end;

/

create table newspaper(namelangusge varchar(20) primary key,

language varchar(10),

publisher varchar(15),

cost int);

create table cities(pincode int primary key,

city varchar(20),

state varchar(20));

create table newcity(namelangusge varchar(20) refferences newspaper(name);

fincode nwnber(0) references cities(fincode),

daily requied varchar(4));

create or replace procedure tot(t in varchar) as

city cities.city%type;

tot number;

begin

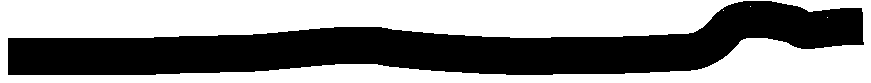
select sum(cost),city into tot,city from newspaper,cities,newcity where

newspaper.name=newcity.name and cities.picode=newcity.pincode and city=t group by city;

dbms output.put line('total cost of '||' '11 city 11's newspaper is'11 tot);

end;

/



create table library(lno int primary key,

lname varchar(15),

location varchar(10),

librarian varchar(20),

noofbook int);

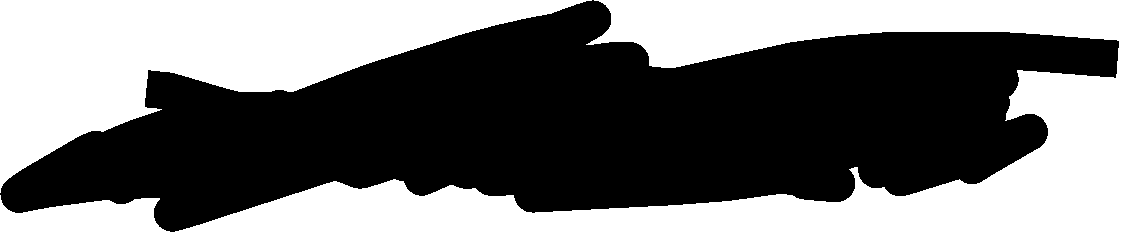
create table books(bid int primary key,

bname varchar(20),

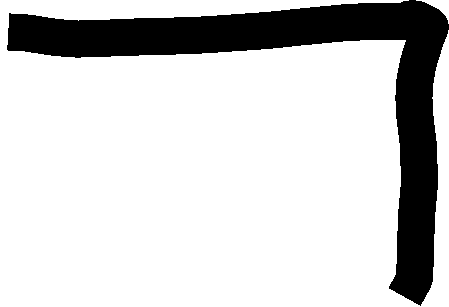
author\_name varchar(20),

price int,

lno int references library(lno));



SQL>create table lab(ino int primary key,iname varchar(20),capacity int not null,equipment varchar(10));



SQL> create table student1(sno int primary key,sname varchar(10),class varchar(5),timetable varchar(10),lno int,foreign key(lno) references lab(ino));

write a function which will accept lab from user display total number of student of student allocated in that lab.///////////////////////////////



SQL> set serveroutput on

SQL> create or replace function test

2 return number

3 as

4 total\_student number(10);

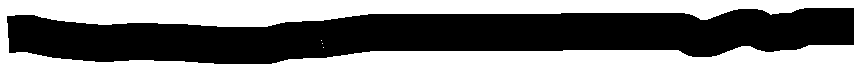
5 begin

6 select count(\*) into total\_student from student1;

7 return total\_student;

8 end;

9 /



create table whols(wno int primary key,wname varchar(22),addr varchar(20),city varchar(22));

create table prod(pno int primary key,pname varchar(22),rate number(5,2) CHECK(rate>0));

create table whols\_prod(wno int references whols(wno),pno int references prod(pno),qty number);

Q.write a function which will accept wholesaler name from user and will display total number of items supplied by him.///////////////////////////

SQL> set serveroutput on

SQL> create or replace function f15(t in varchar) return number as

2 tit number;

3 begin

4 select count(prod.pno) into tit from whols,prod,whols\_prod where whols.wno=whols\_prod.wnoand prod.pno=whols\_prod.pno and wname=t;

5 return tit;

6 end;

7 /

Q2. Write a trigger which will fire before insert or update on product having rate less than or equl to zero (Raise user defined exception and give appropriate message)\*/////////////

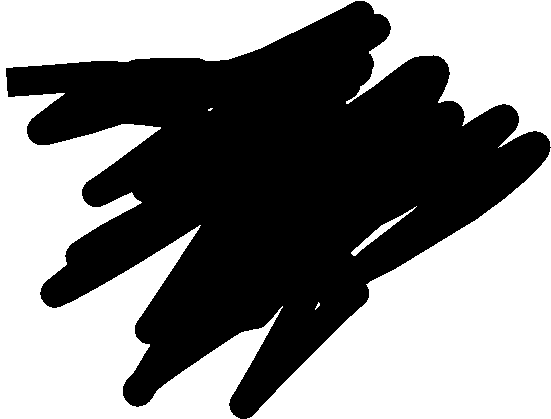


SQL> set serveroutput on

SQL> create or replace trigger t9

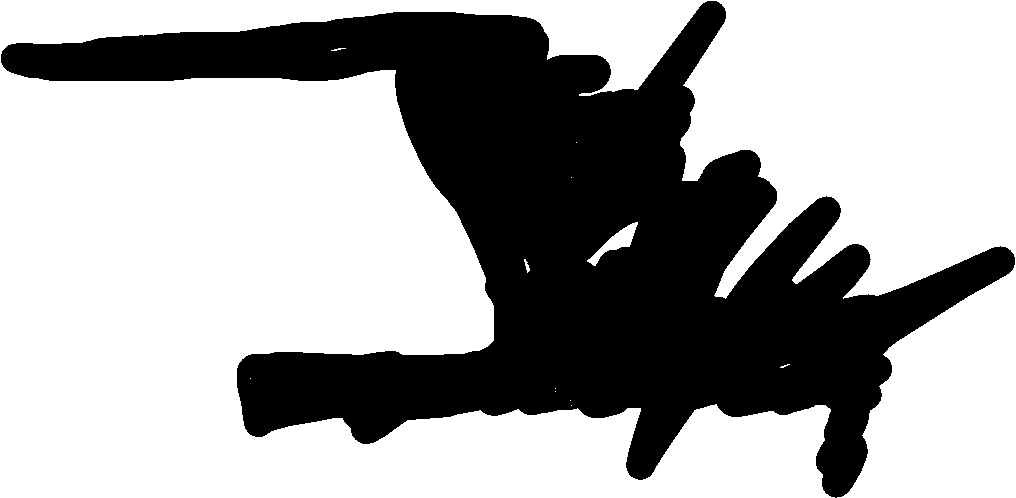


2 before insert or update



3 on pc

4 for each row



5 when(NEW.pc\_name=0)

6 begin

7 raise\_application\_error(-20001,'no.of shares is 0');

8 end;



create table country(cid int primary key,

cname varchar(22),

no\_of\_states int,

area varchar(22),

location varchar(22),

population int);



create or replace procedure p1(d\_no in number,max\_sal number);

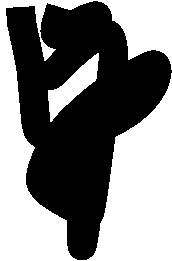
begin

select max(sal) into max\_sal from empl where dept\_no=d\_no;

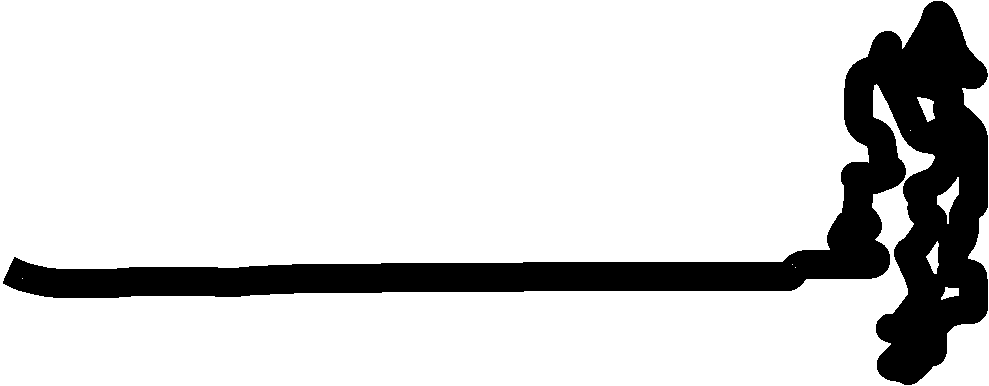
if(max\_sal>0) then

dbms\_output.put\_line("max salary":=||max\_sal);

else dbms\_output.put\_line(dept\_no dostn't exited);



end if;



end;

/

SQL> create table dept(dno int primary key,

2 tname varchar(22),

3 location varchar(22));

SQL> create table books(bno int primary key,

2 bname varchar(22),

3 pubname varchar(22),

4 price int,

5 dno int,foreign key(dno) references dept);

Q.Write a function which wil return total expenditure on books of a given department.

SQL> set serveroutput on

SQL> create or replace function f\_bd\_exp(dno in number) return number as

2 tot number(10);

3 begin

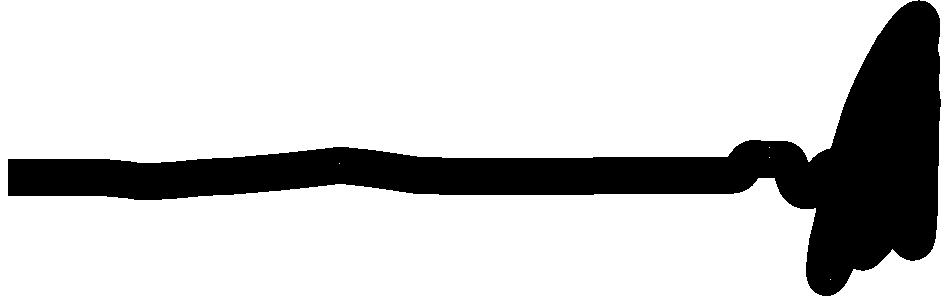
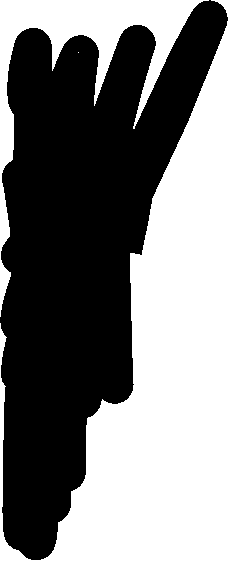
4 select sum(price) into tot from book;

5 return tot;



6 end;

7 /



SQL> create table dept(dno int primary key,

2 tname varchar(22),

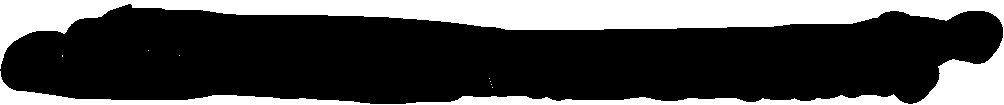
3 location varchar(22));

SQL> create table empl(empno int primary key,

2 empname varchar(22),

3 salary int,

4 dno int,foreign key(dno) references dept);



create table customers(cust\_no int primary key,

cust\_name varchar(22),

cust\_city varchar(22));

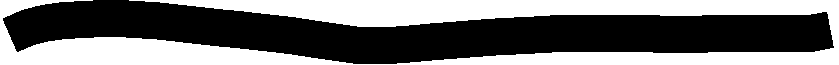
create table account(acc\_no int primary key,

acc\_type varchar(22),

balance int,

cust\_no int,foreign key(cust\_no) references customers);

SQL> select \* from customers,account where customers.cust\_no=account.cust\_no and balance > 1000;



SQL> set serveroutput on

SQL> declare

2 n number;

3 i number;

4 begin

5 n:=&n;

6 for i in 1..10

7 loop

8 dbms\_output.put\_line(n||'x'||i||'='||n\*i);

9 end loop;

10 end;

11 /



SQL> desc doctor;

Name Null? Type

----------------------------------------- -------- ----------------------------

DNO NOT NULL NUMBER(38)

DNAME VARCHAR2(22)

DCITY VARCHAR2(22)

SQL> desc hospital;

Name Null? Type

----------------------------------------- -------- ----------------------------

HNO NOT NULL NUMBER(38)

HNAME VARCHAR2(22)

HCITY VARCHAR2(22)

