create or replace procedure search\_suggestions as

cursor c\_sugg is

select model\_name from phone union all select model\_name from laptop union all select model\_name from headphone union all select model\_name from tv union all select model\_name from ac;

r\_sugg c\_sugg%rowtype;

begin

open c\_sugg;

loop

fetch c\_sugg into r\_sugg;

exit when c\_sugg%notfound;

dbms\_output.put\_line(r\_sugg.model\_name);

end loop;

close c\_sugg;

end

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

create or replace procedure laptop\_records as

cursor c is

select laptop.id,laptop.model\_name,laptop.PRICE, pic.path as image\_path, laptop.color as spec1, laptop.op\_system as spec2, laptop.processor as spec3 from laptop, laptop\_photo pic WHERE laptop.id = pic.laptop\_id;

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.id||','||r.model\_name||','||r.price||','||r.image\_path||','||r.spec1||','||r.spec2||','||r.spec3);

end loop;

close c;

end;

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

create or replace procedure headphone\_records as

cursor c is

select headphone.id,headphone.model\_name,headphone.PRICE, pic.path as image\_path, headphone.color as spec1, headphone.CONNECTIVITY as spec2, headphone.MIC as spec3 from headphone, headphone\_photo pic WHERE headphone.id = pic.headphone\_id;

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.id||','||r.model\_name||','||r.price||','||r.image\_path||','||r.spec1||','||r.spec2||','||r.spec3);

end loop;

close c;

end;

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

create or replace procedure ac\_records as

cursor c is

select ac.id,ac.model\_name,ac.PRICE, pic.path as image\_path, ac.color as spec1, ac.CAPACITY as spec2, ac.NOISE\_LEVEL as spec3 from ac, ac\_photo pic WHERE ac.id = pic.ac\_id;

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.id||','||r.model\_name||','||r.price||','||r.image\_path||','||r.spec1||','||r.spec2||','||r.spec3);

end loop;

close c;

end;

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

create or replace procedure tv\_records as

cursor c is

select tv.id,tv.model\_name,tv.PRICE, pic.path as image\_path, tv.color as spec1, tv.DISPLAY\_SIZE as spec2, tv.RESOLUTION as spec3 from tv, tv\_photo pic WHERE tv.id = pic.tv\_id;

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.id||','||r.model\_name||','||r.price||','||r.image\_path||','||r.spec1||','||r.spec2||','||r.spec3);

end loop;

close c;

end;

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

create or replace procedure search\_records (likeFormat varchar, likeFormatReverse varchar) as

cursor c is

(select phone.id,phone.model\_name,phone.PRICE, pic.path as image\_path, phone.color as spec1, phone.ram as spec2, phone.internal\_memory as spec3 from phone, phone\_photo pic WHERE phone.id = pic.phone\_id and (LOWER(REGEXP\_REPLACE(phone.MODEL\_NAME, '[[:space:]]', '' )) LIKE (likeFormat) or LOWER(REGEXP\_REPLACE(phone.MODEL\_NAME, '[[:space:]]', '' )) LIKE (likeFormatReverse)) union all select laptop.id,laptop.model\_name,laptop.PRICE, pic.path as image\_path, laptop.color as spec1, laptop.op\_system as spec2, laptop.processor as spec3 from laptop, laptop\_photo pic WHERE laptop.id = pic.laptop\_id and (LOWER(REGEXP\_REPLACE(laptop.MODEL\_NAME, '[[:space:]]', '' )) LIKE (likeFormat) or LOWER(REGEXP\_REPLACE(laptop.MODEL\_NAME, '[[:space:]]', '' )) LIKE (likeFormatReverse)) union all select headphone.id,headphone.model\_name,headphone.PRICE, pic.path as image\_path, headphone.color as spec1, headphone.CONNECTIVITY as spec2, headphone.MIC as spec3 from headphone, headphone\_photo pic WHERE headphone.id = pic.headphone\_id and (LOWER(REGEXP\_REPLACE(headphone.MODEL\_NAME, '[[:space:]]', '' )) LIKE (likeFormat) or LOWER(REGEXP\_REPLACE(headphone.MODEL\_NAME, '[[:space:]]', '' )) LIKE (likeFormatReverse)) union all select ac.id,ac.model\_name,ac.PRICE, pic.path as image\_path, ac.color as spec1, ac.CAPACITY as spec2, ac.NOISE\_LEVEL as spec3 from ac, ac\_photo pic WHERE ac.id = pic.ac\_id and (LOWER(REGEXP\_REPLACE(ac.MODEL\_NAME, '[[:space:]]', '' )) LIKE (likeFormat) or LOWER(REGEXP\_REPLACE(ac.MODEL\_NAME, '[[:space:]]', '' )) LIKE (likeFormatReverse)) union all select tv.id,tv.model\_name,tv.PRICE, pic.path as image\_path, tv.color as spec1, tv.DISPLAY\_SIZE as spec2, tv.RESOLUTION as spec3 from tv, tv\_photo pic WHERE tv.id = pic.tv\_id and (LOWER(REGEXP\_REPLACE(tv.MODEL\_NAME, '[[:space:]]', '' )) LIKE (likeFormat) or LOWER(REGEXP\_REPLACE(tv.MODEL\_NAME, '[[:space:]]', '' )) LIKE (likeFormatReverse)));

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.id||','||r.model\_name||','||r.price||','||r.image\_path||','||r.spec1||','||r.spec2||','||r.spec3);

end loop;

close c;

end;

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

create or replace procedure add\_to\_cart(pro\_id int, pro\_category varchar, user\_id int) is

begin

insert into cart values(null,pro\_id,pro\_category,user\_id);

end;

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

create or replace procedure purchase(u\_id int) is

begin

insert into orders (select null,product\_id, table\_name, user\_id from cart where user\_id = u\_id);

delete from cart where user\_id = u\_id;

end;

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

create or replace procedure remove\_from\_cart(pro\_id int,u\_id int) is

begin

DELETE FROM cart WHERE product\_id = pro\_id and user\_id = u\_id;

end;

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

create or replace procedure add\_user(email varchar, password varchar, first\_name varchar, last\_name varchar,phone\_no varchar) is

begin

insert into users values(null,email,password,first\_name, last\_name, phone\_no);

end;

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

create or replace procedure get\_phone\_details(pro\_id int) as

cursor c is

select phone.MODEL\_NAME,phone.COLOR,phone.PRICE,phone.CAMERA, phone.DISPLAY\_SIZE,phone.RAM,phone.INTERNAL\_MEMORY,phone.BATTERY, image.path from phone, phone\_photo image where (phone.id = pro\_id and phone.id = image.phone\_id);

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.model\_name||','||r.color||','||r.price||','||r.camera||','||r.display\_size||','||r.ram||','||r.internal\_memory||','||r.battery||','||r.path);

end loop;

close c;

end;

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

create or replace procedure get\_headphone\_details(pro\_id int) as

cursor c is

select headphone.MODEL\_NAME,headphone.COLOR,headphone.PRICE,headphone.HEADPHONES\_TYPE, headphone.CONNECTIVITY,headphone.CONNECTOR\_TYPE,headphone.MIC,headphone.BATTERY\_LIFE, image.path from headphone, headphone\_photo image where (headphone.id = pro\_id and headphone.id = image.headphone\_id);

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.model\_name||','||r.color||','||r.price||','||r.HEADPHONES\_TYPE||','||r.CONNECTIVITY||','||r.CONNECTOR\_TYPE||','||r.MIC||','||r.BATTERY\_LIFE||','||r.path);

end loop;

close c;

end;

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

create or replace procedure get\_laptop\_details(pro\_id int) as

cursor c is

select laptop.MODEL\_NAME,laptop.COLOR,laptop.PRICE,laptop.CAMERA, laptop.OP\_SYSTEM,laptop.RAM,laptop.HDD,laptop.BATTERY,laptop.PROCESSOR, image.path from laptop, laptop\_photo image where (laptop.id = pro\_id and laptop.id = image.laptop\_id);

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.model\_name||','||r.color||','||r.price||','||r.CAMERA||','||r.OP\_SYSTEM||','||r.RAM||','||r.HDD||','||r.BATTERY||','||r.PROCESSOR||','||r.path);

end loop;

close c;

end;

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

create or replace procedure get\_ac\_details(pro\_id int) as

cursor c is

select ac.MODEL\_NAME,ac.COLOR,ac.PRICE,ac.TYPE\_OF\_AC, ac.CAPACITY,ac.POWER\_CONSUMPTION,ac.VOLTAGE,ac.NOISE\_LEVEL,ac.AMBIENT\_TEMPERATURE, image.path from ac, ac\_photo image where (ac.id = pro\_id and ac.id = image.ac\_id);

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.model\_name||','||r.color||','||r.price||','||r.TYPE\_OF\_AC||','||r.CAPACITY||','||r.POWER\_CONSUMPTION

||','||r.VOLTAGE||','||r.NOISE\_LEVEL||','||r.AMBIENT\_TEMPERATURE||','||r.path);

end loop;

close c;

end;

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

create or replace procedure get\_tv\_details(pro\_id int) as

cursor c is

select tv.MODEL\_NAME,tv.COLOR,tv.PRICE,tv.SOUND, tv.DISPLAY\_SIZE,tv.RESOLUTION,tv.SCREEN\_TYPE,tv.SAMRT\_TV,tv.THREE\_D, image.path from tv, tv\_photo image where (tv.id = pro\_id and tv.id = image.tv\_id);

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.model\_name||','||r.color||','||r.price||','||r.SOUND||','||r.DISPLAY\_SIZE||','||r.RESOLUTION

||','||r.SCREEN\_TYPE||','||r.SAMRT\_TV||','||r.THREE\_D||','||r.path);

end loop;

close c;

end;

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

create or replace procedure get\_my\_orders(u\_id int) as

cursor c is

select phone.model\_name,phone.price,pic.path as image\_path from phone, phone\_photo pic WHERE phone.id=pic.phone\_id and (phone.id IN (select product\_id from orders WHERE table\_name= 'phone' and user\_id = u\_id)) union all select laptop.model\_name,laptop.price,pic.path as image\_path from laptop, laptop\_photo pic WHERE laptop.id=pic.laptop\_id and (laptop.id IN (select product\_id from orders WHERE table\_name= 'laptop' and user\_id = u\_id)) union all select headphone.model\_name,headphone.price,pic.path as image\_path from headphone, headphone\_photo pic WHERE headphone.id=pic.headphone\_id and (headphone.id IN (select product\_id from orders WHERE table\_name= 'headphone' and user\_id = u\_id)) union all select tv.model\_name,tv.price,pic.path as image\_path from tv, tv\_photo pic WHERE tv.id=pic.tv\_id and (tv.id IN (select product\_id from orders WHERE table\_name= 'tv' and user\_id = u\_id)) union all select ac.model\_name,ac.price,pic.path as image\_path from ac, ac\_photo pic, cart WHERE ac.id=pic.ac\_id and (ac.id IN (select product\_id from orders WHERE table\_name= 'ac' and user\_id = u\_id));

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.model\_name||','||r.price||','||r.image\_path);

end loop;

close c;

end;

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

create or replace procedure get\_cart\_products(u\_id int) as

cursor c is

select phone.id, cart.table\_name,phone.model\_name,phone.price,pic.path as image\_path from phone, phone\_photo pic, cart WHERE (phone.id=pic.phone\_id and cart.product\_id = phone.id) and (phone.id IN (select product\_id from cart WHERE table\_name= 'phone' and user\_id = u\_id)) union all select laptop.id, cart.table\_name,laptop.model\_name,laptop.price,pic.path as image\_path from laptop, laptop\_photo pic, cart WHERE (laptop.id=pic.laptop\_id and cart.product\_id = laptop.id) and (laptop.id IN (select product\_id from cart WHERE table\_name= 'laptop' and user\_id = u\_id)) union all select headphone.id, cart.table\_name,headphone.model\_name,headphone.price,pic.path as image\_path from headphone, headphone\_photo pic, cart WHERE (headphone.id=pic.headphone\_id and cart.product\_id = headphone.id) and (headphone.id IN (select product\_id from cart WHERE table\_name= 'headphone' and user\_id = u\_id)) union all select tv.id, cart.table\_name,tv.model\_name,tv.price,pic.path as image\_path from tv, tv\_photo pic, cart WHERE (tv.id=pic.tv\_id and cart.product\_id = tv.id) and (tv.id IN (select product\_id from cart WHERE table\_name= 'tv' and user\_id = u\_id)) union all select ac.id, cart.table\_name,ac.model\_name,ac.price,pic.path as image\_path from ac, ac\_photo pic, cart WHERE (ac.id=pic.ac\_id and cart.product\_id = ac.id) and (ac.id IN (select product\_id from cart WHERE table\_name= 'ac' and user\_id = u\_id));

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.id||','||r.table\_name||','||r.model\_name||','||r.price||','||r.image\_path);

end loop;

close c;

end;

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

create or replace procedure phone\_records as

cursor c is

select phone.id,phone.model\_name,phone.PRICE, pic.path as image\_path, phone.color as spec1, phone.ram as spec2, phone.internal\_memory as spec3 from phone, phone\_photo pic WHERE phone.id = pic.phone\_id;

r c%rowtype;

begin

open c;

loop

fetch c into r;

exit when c%notfound;

dbms\_output.put\_line(r.id||','||r.model\_name||','||r.price||','||r.image\_path||','||r.spec1||','||r.spec2||','||r.spec3);

end loop;

close c;

end;

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

CREATE OR REPLACE TRIGGER signUp\_trig

BEFORE INSERT ON users

FOR EACH ROW

DECLARE

cnt number;

BEGIN

SELECT count(\*)

INTO cnt

from users

WHERE (users.email = :NEW.email) OR (users.phone\_no = :NEW.phone\_no);

IF (cnt>0) THEN

RAISE\_APPLICATION\_ERROR(-20001,

'user already exists');

END IF;

END;

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

create or replace procedure update\_password(u\_id int,old\_pass varchar,new\_pass varchar) is

begin

UPDATE users SET PASSWORD = new\_pass WHERE users.ID = u\_id and users.PASSWORD = old\_pass;

end;

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

create or replace function discount\_func(coupon VARCHAR, price float) return int as

amt float;

begin

if coupon = 'apply10' or coupon='APPLY10' then

amt:= price - price\*10/100;

elsif coupon = 'apply20' or coupon='APPLY20' then

amt:= price - price\*20/100;

ELSIF coupon = 'apply30' or coupon='APPLY30' then

amt:= price - price\*30/100;

else

amt:=0;

end if;

return amt;

end;

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

create sequence cart\_log\_seq;

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

create or replace trigger cart\_log\_incre

before insert on cart\_log

for each row

begin

select cart\_log\_seq.nextval

into :new.id

from dual;

end;

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

create or replace trigger cart\_log\_trig

before insert on cart

for each row

declare

pro\_id int;

u\_id int;

begin

select product\_id into pro\_id from cart where id = (select max(id) from cart);

select user\_id into u\_id from cart where id = (select max(id) from cart);

insert into cart\_log values(null,u\_id,pro\_id,(select sysdate from dual));

end;

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

create table cart\_log(id int primary key,user\_id references users(id),product\_id int,cartlog\_date date);