CREATE OR REPLACE PROCEDURE ADD\_AMAZON\_PRODUCT(

product\_id\_arg IN INT,

product\_name\_arg IN VARCHAR,

description\_arg IN VARCHAR,

price\_arg IN DECIMAL,

seller\_id\_arg IN INT,

category\_id\_arg IN INT)

IS BEGIN

INSERT INTO amazon\_products(product\_id, product\_name ,descrip, price, seller\_id, category\_id)

VALUES (product\_id\_arg, product\_name\_arg, description\_arg, price\_arg, seller\_id\_arg, category\_id\_arg);

end;

BEGIN

ADD\_AMAZON\_PRODUCT(6,' self‐driving video camera ',' automatically follows a subject that is being recorded ',100,2,1);

END;

/

BEGIN

ADD\_AMAZON\_PRODUCT(7,' holographic keyboard ',' emits a three‐dimensional projection of a keyboard and recognizes virtual key presses from the typist ',20,1,1);

END;

/

BEGIN

ADD\_AMAZON\_PRODUCT(8,'3d glasses','enjoy the depths of a movie',10,2,1);

END;

/

CREATE OR REPLACE PROCEDURE add\_amazon\_inventory(

warehouse\_ID\_arg IN int,

seller\_ID\_arg IN INT,

product\_ID\_ARG IN INT,

units\_ARG IN INT,

category\_id\_ARG IN INT,

condition\_ARG IN VARCHAR

)

IS BEGIN

INSERT INTO amazon\_warehouse(warehouse\_ID,seller\_ID,product\_ID,units,category\_id,condition) VALUES

(warehouse\_ID\_arg,seller\_ID\_arg,product\_ID\_ARG,units\_ARG,category\_id\_ARG,condition\_ARG);

END;

BEGIN

add\_amazon\_inventory(4,1,6,4,1,'New');

END;

/

BEGIN

add\_amazon\_inventory(5,1,7,4,1,'New');

END;

/

*select amazon\_products.product\_name, amazon\_warehouse.units from*

*amazon\_products*

*join amazon\_warehouse on amazon\_warehouse.product\_id = amazon\_products.product\_id where*

*amazon\_warehouse.units<11;*

create or replace procedure add\_amazon\_customer(

customer\_ID\_arg IN int,

firstname\_arg IN VARCHAR,

lastname\_ID\_ARG IN VARCHAR,

address\_ARG IN VARCHAR,

email\_id\_ARG IN VARCHAR,

phonenum\_ARG IN VARCHAR

)

IS BEGIN

INSERT INTO amazon\_customers(customer\_ID, firstname, lastname, address, email, phonenum) VALUES

(customer\_ID\_arg, firstname\_arg, lastname\_ID\_ARG, address\_ARG, email\_id\_ARG, phonenum\_ARG);

END;

BEGIN

add\_amazon\_customer(4,'Bandana','dhungel','Nepal', 'bandana@gmail.com','9801045840');

END;

/

BEGIN

add\_amazon\_customer(5,'Mayank','dhungel','Nepal', 'mayank@gmail.com','9841045884');

END;

/

select lastname

from amazon\_customers

Group by lastname

having count(distinct customer\_id)>= 4;

create or replace procedure products\_purchased(

order\_ID\_arg IN int,

customer\_id\_arg IN int,

product\_id\_ARG IN int,

seller\_id\_ARG IN int

)

IS BEGIN

INSERT INTO amazon\_orders(order\_ID, customer\_id, product\_id, seller\_id) VALUES

(order\_ID\_arg, customer\_id\_arg, product\_id\_ARG, seller\_id\_ARG);

END;

create or replace procedure warehouse\_update(

units\_arg IN int,

warehouse\_id\_arg IN int

)

IS BEGIN

update amazon\_warehouse set units = units-units\_arg where warehouse\_id = warehouse\_id\_arg;

END;

BEGIN

products\_purchased(4,1,1,1);

END;

/

BEGIN

warehouse\_update(1,1);

END;

/

BEGIN

products\_purchased(5,1,6,2);

END;

/

BEGIN

products\_purchased(6,2,7,1);

END;

/

create or replace procedure add\_packaging(

PACKAGE\_ID\_ARG IN int,

ORDER\_ID\_ARG IN int,

SPEED\_ID\_ARG IN int

)

IS BEGIN

INSERT INTO AMAZON\_PACKAGE(PACKAGE\_ID, ORDER\_ID, SPEED\_ID) VALUES

(PACKAGE\_ID\_ARG, ORDER\_ID\_ARG, SPEED\_ID\_ARG);

END;

BEGIN

add\_packaging(4,5,1);

END;

/

BEGIN

add\_packaging(5,6,1);

END;

/

CREATE INDEX idx\_seller\_id

ON amazon\_warehouse (seller\_id);

CREATE INDEX idx\_product\_name

ON amazon\_products (product\_name);

select amazon\_orders.customer\_id, amazon\_customers.firstname, amazon\_customers.lastname, amazon\_customers.address from amazon\_customers

join amazon\_orders on amazon\_orders.customer\_id = amazon\_customers.customer\_id

where exists (select amazon\_orders.customer\_id from amazon\_orders group by amazon\_orders.customer\_id having count(amazon\_orders.customer\_id) >=2);