1. Suppose XYZ company has a rule stating that a employee’s salary cannot be changed by more than 20% of the original salary if his/her experience is less than 5 years. Create a trigger ‘salary\_change\_monitoring’ to enforce this constraint. The trigger fires whenever there is an update to the emp table and outputs a suitable error message when the rule is violated.
2. Write database triggers that checks that qty\_on\_hnd does not become negative.
3. A trigger occurs when ever an insert or update occurs in bookself table and insert the old and new data in the bookself\_audit table.

create table product\_master

(

pno varchar2(5),

dsc varchar2(10),

profit\_percent number(3),

unit\_measure varchar2(10),

qoh number(4),

reorderlevel number(8),

sell\_price number(8),

cose\_price number(8)

);

create table bookself

(

Title varchar2(6),

publisher varchar2(6),

rating varchar2(5)

);

create table bookself\_audit

(

Title varchar2(6),

publisher varchar2(6),

old\_rating varchar2(5),

new\_rating varchar2(5),

audit\_dt date

)

1. Create 2 tables, LAB7\_RESERVATIONS table with 2 columns

Create table LAB7\_RESERVATIONS

( flight\_id char(6) not null,

Customer\_phone char(11) not null )

Create table LAB7\_flights

( flight\_id char(6) not null,

Seats number(3) not null,

Primary key (flight\_id) )

Insert into LAB7\_flights values (ACO529,120)

Insert into LAB7\_flights values (ACO529,120)

Create a trigger LAB7\_RES\_TRG that will ensure that when a new row is inserted into the

LAB7\_RESERVATIONS table, the flight id is in the LAB7\_FLIGHTS table and that the number

of seats on this flight, SEATS is greater than 0. Here are the details of how the trigger should

behave:

* If flight id is not in the flights table it should raise application error ‘Invalid flight id’
* If flight id is in the flights table, (for example AC0529) but SEATS = 0, then it should raise application error ‘Flight AC0529 has no seats left’
* If flight id is in the flights table and SEATS > 0,then it should update the appropriate row in flights table by setting SEATS = SEATS – 1 for this flight.