Assignment – 20

Changing Values through Views

1) Which of these views are updateable (will allow DML operations)?

1. Create View Dailyorders

as Select Distinct cnum, snum, onum, odate from Orders;

**Somewhat updateable, but some systems may block updates due to distinct.**

1. Create View Custotals

as Select cname, Sum (amt) Sum\_Amt from Orders, Customers

where Orders.cnum=Customers.cnum

Group by cname;

**Not updateable due to aggregation and join.**

1. Create view Thirdorders

as Select \* from Dailyorders where

odate=’1990-10-03’;

**Likely updateable, assuming Dailyorders is updateable.**

1. Create view Nullcities

as Select snum, sname, city

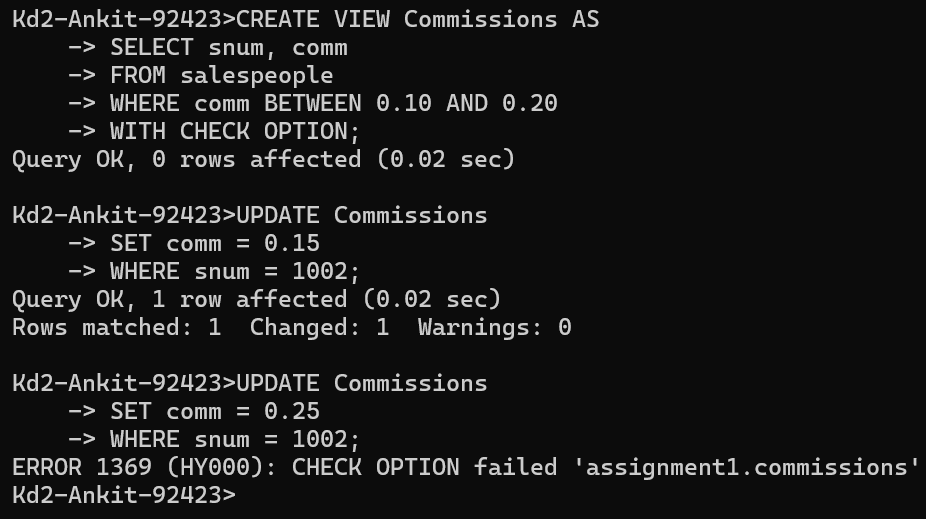
from Salespeople

where city is NULL

OR sname BETWEEN ‘A’ and ‘MZ’;

**Updateable, because it is based on one table and has no joins and aggregates.**

2) Create a view of the Salespeople table called Commissions. This view will include only the snum and comm fields. Through this view, someone could enter or change commissions, but only to values between .10 and .20.



3) Some SQL implementations have a built-in constant representing the current date, sometimes called “CURDATE” or “SYSDATE”. The word SYSDATE can therefore be used in a SQL statement, and be replaced by the current date when the value is accessed by commands such as Select or Insert. We will use a view of the Orders table called Entryorders to insert rows into the Orders table. Create the Orders table, so that SYSDATE is automatically inserted for odate if no value is given. Then create the Entryorders view so that no values can be given.

