**DBS201 Lab 3 (revised Winter 2019) Name: ASHISH SHEORAN**

1. What statement will relieve us of having to type PREMIER???.CUSTOMER and PREMIER???.SALESREP and instead just refer to CUSTOMER and SALESREP during our interactive SQL session?

At first we will set the schema to PREMIERG32

SET SCHEMA PREMIERG32

SET CURRENT SCHEMA statement complete.

After running this command we don’t need to type premier???.customer or premier???.salesrep to access the customer and salesrep table.

1. Provide the statement to remove one row in CUSTOMER and then provide the statement to remove all the rows in SALESREP:

Remove one row from CUSTOMER table:

DELETE FROM PREMIERG32.CUSTOMER WHERE (LAST\_NAME='ASHU')

1 rows deleted from CUSTOMER in PREMIERG32.

Remove all rows from SALESREP table:

DELETE FROM PREMIERG32.SALESREP

3 rows deleted from SALESREP in PREMIERG32.

1. Fill in the blanks:

**a)** The Foreign Key field is on the ONE (one/many ?) table.

**b)** It will point to the ROW (row or column ?) of the corresponding Salesrep Number on the SALESREP table.

**c)** In the relationship between SALESREP and CUSTOMER, which table

is the “many” table? SALESREP.

1. So the Salesrep’s Number will be placed in the Foreign Key field on

the CUSTOMER table.

1. What is the command that will facilitate the creation of a Foreign Key to relate CUSTOMER and SALESREP?

The command to create a foreign key to relate the tables CUSTOMER and SALESREP is:

ALTER TABLE CUSTOMER

ADD CONSTRAINT SALESREP\_FK

FOREIGN KEY (SALES\_REP\_NUMBER)

REFERENCES SALESREP

ALTER completed for table CUSTOMER in PREMIERG32.

1. Why couldn’t we insert a new row for Raj Anapurna?

We were not able insert a new row for Raj Anapurna in the CUSTOMER table because the values of the constraint SALES\_REP\_NUMBER were not same in the parent table which is SALESREP. To insert any new row in CUSTOMER table, the constraint SALES\_REP\_NUMBER should be the same as that of the SALESREP table.

1. Write out the SQL statement to indicate the rate must equal .05, .06, .07 or .15 in the existing SALESREP table:

ALTER TABLE SALESREP

ADD CONSTRAINT RATE\_CK

CHECK (RATE=0.05 OR RATE=0.06 OR RATE=0.07 OR RATE=0.15)

ALTER completed for table SALESREP in PREMIERG32.

1. What is the statement for a range check on customer balance?

ALTER TABLE CUSTOMER

ADD CONSTRAINT BALANCE\_CK

CHECK (BALANCE>0 AND BALANCE<6001)

ALTER completed for table CUSTOMER in PREMIERG32.

1. Write out the SQL statement to enforce the condition where a Medicare number can only occur once in an EMPLOYEE table.

ALTER TABLE EMPLOYEE

ADD CONSTRAINT ONTARIO\_MEDICARE\_NUM\_UN

UNIQUE (ONTARIO\_MEDICARE\_NUM)