**Question 2**

0 out of 0 points

NO ANSWER NEEDED ---- Some names may vary but ....

Below is given a Logical Model in the form of an Entity Set that describes only the core of the process for the Warehouse Storage component.

REGION [REGION\_ID, REGION\_NAME]

DIV [DIVISION\_ID, DIVISION\_NAME, REGION\_ID (FK)]

WHS [WAREHOUSE\_ID, CITY, rating, FOUND\_DATE, DIVISION\_ID (FK)]

EMP [EMPLOYEE\_ID, ENAME, JOB, SAL, COMM, DIVISION\_ID (FK)]

SEC [WAREHOUSE\_ID (FK), SECTION\_ID, DESCRIPTION, capacity]

**Question 3**

2.5 out of 3 points

Create a table called REGION.

It will have columns (a) 2 number REGION\_ID and (b) a 20 character REGION\_NAME.

The PK is done at the table level using industry standard proper naming.

Any other constraints needed are at column level but do not need to be given a constraint name.

**Correct Answer:**

create table region (

region\_id number 23) primary key,-- <==DONE AT TABLE LEVEL with proper naming

region\_name varchar(20) not null unique -- must be there - can't have duplicate region names ..would be confusing so need UK also

);

**Question 4**

2 out of 3 points

For the table SEC add a primary key.

Must have industry standard naming on constraints.

NOTE: Whatever the output it generates, copy both the SQL used and the output

Selected Answer:

ALTER TABLE SEC

ADD CONSTRAINT sec\_secid\_PK PRIMARY KEY(SECTION\_ID);

**Correct 4 Answer:**

Correct

Same as Assignment 3 --- needs 2 part key

alter table sec

add constraint sec\_warehouse\_id\_section\_id\_pk

primary key(warehouse\_id, section\_id);

Error report -

SQL Error: ORA-02437: cannot validate (DBS301\_183A80.SEC\_WAREHOUSE\_ID\_SECTION\_ID\_PK) - primary key violated

02437. 00000 - "cannot validate (%s.%s) - primary key violated"

\*Cause: attempted to validate a primary key with duplicate values or null values.

\*Action: remove the duplicates and null values before enabling a primary key.

Response Feedback:

2 part see assignment

**Question 5**

3 out of 3 points

Apply the FK to SEC. You figure out what table it references. Show SQL to do this and whatever output it produces.

Selected Answer:

ALTER TABLE SEC

ADD CONSTRAINT sec\_warid\_FK FOREIGN KEY(WAREHOUSE\_ID)

REFERENCES WAREHOUSE(WAREHOUSE\_ID);

Output:

ALTER TABLE SEC

ADD CONSTRAINT sec\_warid\_FK FOREIGN KEY(WAREHOUSE\_ID)

REFERENCES WAREHOUSE(WAREHOUSE\_ID)

Error report -

ORA-02298: cannot validate (DBS301\_192C14.SEC\_WARID\_FK) - parent keys not found

02298. 00000 - "cannot validate (%s.%s) - parent keys not found"

\*Cause: an alter table validating constraint failed because the table has

child records.

\*Action: Obvious

NOTE: WAREHOUSE\_ID cannot be used as FK because it references a column that does not contains any of its values.

**Correct 5Answer:**

Correct

References a table with no PK or UK status -- causes an error, but SQL can be looked at for correctness

NEED SQL and ERROR

alter table sec

add constraint sec\_warehouse\_id\_fk

foreign key(warehouse\_id)

references whse(warehouse\_id);

Response Feedback: [None Given]

**Question 6**

2 out of 3 points

Add a new row of data to the SEC table for Section 3 in Warehouse 402. For the description use your name and capacity 2000.

Selected Answer:

INSERT INTO SECTION (WAREHOUSE\_ID, SECTION\_ID, DESCRIPTION, CAPACITY)

VALUES (402,3,'Tomislav\_Monjak',2000);

output:

Error starting at line : 4 in command -

INSERT INTO SECTION (WAREHOUSE\_ID, SECTION\_ID, DESCRIPTION, CAPACITY)

VALUES (402,3,'Tomislav\_Monjak',2000)

Error report -

ORA-02291: integrity constraint (DBS301\_192C14.SEC\_WAR\_FK) violated - parent key not found

NOTE: this field cannot be inserted because parent table PK(Warehouse\_id) does not contain 402 value.

**Correct 6 Answer:**

Correct

insert into sec (warehouse\_id, section\_id, description, capacity)

values (402, 3, 'Colin Yip', 2000); <<<<<< will be different answers in the name

Response Feedback:

SEC said many timnes the short tables

**Question 7**

1 out of 1 points

The SQL to show the structure of the table regions, just created and show the result from that SQL statement.

Selected Answer:

DESC REGION;

output:

Name Null? Type

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

REGION\_ID NOT NULL NUMBER(2)

REGION\_NAME NOT NULL VARCHAR2(20)

**Correct 7 Answer:**

Correct

desc region

Name Null Type

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

REGION\_ID NOT NULL NUMBER(3)

REGION\_NAME NOT NULL VARCHAR2(25)

Response Feedback: [None Given]

**Question 8**

1 out of 1 points

Issue a select statement on SEC to show all data stored in the table

Selected Answer:

SELECT \* FROM SEC;

Output:

WAREHOUSE\_ID SECTION\_ID DESCRIPTION CAPACITY

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

101 1 For basic maintenance purposes 500000

101 2 For huge tools and 80000

101 3 Office supplies and

102 2 Office furniture and 3000

102 2 Office furniture and 3000

201 1 Electrical Parts 15000

401 1 Chemical tools 20000

401 2 Various Chemicals

8 rows selected.

**Correct Answer:**

**Correct**

select \* from sec;

WAREHOUSE\_ID SECTION\_ID DESCRIPTION CAPACITY

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

101 2 For huge tools and 80000

101 3 Office supplies and

102 2 Office furniture and 3000

401 1 Chemical tools 20000

201 1 Electrical Parts 15000

401 2 Various Chemicals

101 1 For basic maintenance purposes 500000

402 3 Colin Yip 2000

8 rows selected

Response Feedback:

where are you

**Question 9**

3 out of 3 points

Create a sequence for the warehouse (WHSE) table. Start sequence at 500 and increment by 2 to a maximum of 600 and store 20 in memory at a time.

Selected Answer:

CREATE SEQUENCE whse\_seq

INCREMENT BY 2

START WITH 500

MAXVALUE 600

CACHE 20

NOCYCLE;

Output:

Sequence WHSE\_SEQ created.

Correct Answer:

Correct

create sequence whse\_seq

start with 500

increment by 2

maxvalue 600

cache 20;

Response Feedback: [None Given]

**Question 10**

0 out of 3 points

Add the following rows of data to WHSE

warehouse\_id/city/rating/Found\_date/Division\_id

Hamilton/ nothing to enter here/Use current date/60

Niagara Fall/ A/Use current date/60

Quebec/ G /Use current date/ 60

**Correct 10 Answer:**

Correct

Must use the sequence like in the assignment. You would not register a studebnt without the PK of student ID that is generated by teh system an not a manual entry

insert into whse values(whse\_seq.nextval, 'Aurora', '', sysdate, 60);

insert into whse values(whse\_seq.nextval, 'Niagara Falls', 'A', sysdate, 60);

insert into whse values(whse\_seq.nextval, 'Quebec', 'G', sysdate, 60);

Response Feedback:

what did you do in A3 --- SEQUENCE

you don't leave id as blank

**Question 11**

3 out of 3 points

Delete all the rows with a rating of A in WHSE, but if a delete is needed on the parent do that first.

Selected Answer:

DELETE FROM WHSE

WHERE UPPER(RATING) = 'A';

SELECT \* FROM WHSE;

**Correct 11 Answer:**

Correct

Delete foreign key dependent record (only on test that the FK was done successfully in question 6)

alter table sec

drop constraint sec\_warehouse\_id\_fk

Cannot add FK until removed duplicates -- delete from sec where warehouse\_id=402;

Actual Delete with rating A

delete from whse

where rating='A';

Response Feedback: [None Given]

**Question 12**

1 out of 1 points

Show all rows in WHSE

Selected Answer:

SELECT \* FROM WHSE;

Output:

WAREHOUSE\_ID CITY R FOUND\_DAT DIVISION\_ID

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

101 CALEDON B 12-DEC-98 40

102 TORONTO C 13-NOV-97 10

201 CHICAGO 12-AUG-97 30

301 SAN DIEGO B 23-DEC-99 60

401 BOSTON C 25-JUN-97 20

101 CALEDON B 12-DEC-98 40

102 TORONTO C 13-NOV-97 10

201 CHICAGO 12-AUG-97 30

301 SAN DIEGO B 23-DEC-99 60

401 BOSTON C 25-JUN-97 20

HAMILTON 06-AUG-19 60

QUEBEC G 06-AUG-19 60

12 rows selected.

Correct Answer:

Correct

WAREHOUSE\_ID CITY RATING FOUND\_DATE DIVISION\_ID

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

101 OTTAWA A 12-DEC-98 40

102 TORONTO C 13-NOV-97 10

201 CHICAGO 12-AUG-97 30

301 SAN DIEGO A 23-DEC-99 60

401 BOSTON C 25-JUN-97 20

505 Hamilton 09-AUG-16 60

515 Quebec G 09-AUG-16 60

7 rows selected

Response Feedback: [None Given]

**Question 13**

2 out of 3 points

Create a table called MANAGERS from the EMP table that contain only those with a JOB called 'Manager'. Do not create the table from scratch.

Selected Answer:

CREATE TABLE MANAGERS AS

(SELECT \*

FROM EMP

WHERE UPPER(JOB) LIKE 'MAN%');

Output:

Table MANAGERS created.

Correct Answer:

Correct

create table managers as

select \* from emp where UPPER(job)= UPPER ('Manager');

IF you look at the previous question you will see Hamilton is different than BOSTON. . That is why you need case on both sides to do good comparison

Response Feedback:

not like

actually Manager

**Question 14**

1 out of 1 points

Show the data in the table MANAGERS

Selected Answer:

SELECT \* FROM MANAGERS;

Output:

EMPLOYEE\_ID ENAME JOB MGR\_ID HIREDATE SAL COMM DIVISION\_ID

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

7698 BLAKE MANAGER 7839 01-MAY-81 2850 0 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 0 10

7566 JONES MANAGER 7839 02-APR-81 2975 0 20

Correct Answer:

Correct

select \* from manager

EMPLOYEE\_ID ENAME JOB MGR\_ID HIREDATE SALARY COMM DIVISION\_ID

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

7698 BLAKE MANAGER 7839 01-MAY-81 2850 0 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 0 10

7566 JONES MANAGER 7839 02-APR-81 2975 0 20

Response Feedback: [None Given]

**Question 15**

2 out of 2 points

Examine the following statements:

INSERT INTO authors VALUES (120, ‘John’,‘Malcontent’, ‘M’, to\_date(‘19630512’,’yyyymmdd’);

SAVEPOINT Insert\_Done;

DELETE FROM authors WHERE author\_id = 120;

SAVEPOINT Delete\_Done;

UPDATE authors SET last\_name = 'Micheal';

How would you undo the last update only?

Selected Answer:

Correct

ROLLBACK to SAVEPOINT Delete\_Done

Answers:

COMMIT Delete\_Done;

Correct

ROLLBACK to SAVEPOINT Delete\_Done

Cannot undo

ROLLBACK UPDATE;

**Question 16**

3 out of 3 points

Create view that shows (1) manager name (2) div name of manager (3) employee name (4) div name of employee. You are using the new table with the shortened names still and not the original employees or division tables.

Selected Answer:

CREATE OR REPLACE VIEW man\_emp\_vu AS

(SELECT m.ENAME AS MANAGER, d.DIVISION\_NAME AS MAN\_DIVISION,

e.ENAME AS EMPLOYEE, i.DIVISION\_NAME AS EMP\_DIVISION

FROM EMP m JOIN EMP e

ON e.MGR\_ID = m.EMPLOYEE\_ID

JOIN DIV d

ON m.DIVISION\_ID = d.DIVISION\_ID

JOIN DIV i

ON e.DIVISION\_ID = i.DIVISION\_ID);

Output:

View MAN\_EMP\_VU created.

Correct Answer:

Correct

Your answer will need to be different depending on the question you did. The point most get wrong is not enough joins

create view question13 as

select

e2.ename "Manager Name",

d2.division\_name "Manager Division name",

e1.ename "Employee Name",

d1.division\_name "Employee Division Name"

from emp e1 join div d1 using (division\_id)

join emp e2 on (e1.mgr\_id = e2.employee\_id)

join div d2 on (e2.division\_id = d2.division\_id);

Response Feedback:

tarr doe3s not manage tarr etc

**Question 17**

1 out of 1 points

Run the view and show the results

Selected Answer:

SELECT \* FROM man\_emp\_vu

ORDER BY MANAGER DESC;

Output:

MANAGER MAN\_DIVISION EMPLOYEE EMP\_DIVISION

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

TARR Admin CLARK Admin

TARR Admin JONES Chem

TARR Admin TARR Admin

TARR Admin BLAKE Maint

SCOTT Chem ADAMS Chem

JONES Chem SCOTT Chem

JONES Chem FORD Chem

FORD Chem SMITH Chem

CLARK Admin MILLER Admin

BLAKE Maint TURNER Maint

BLAKE Maint ALLEN Maint

BLAKE Maint JAMES Maint

BLAKE Maint HOLMES Maint

BLAKE Maint MARTIN Maint

BLAKE Maint WARDBS Maint

15 rows selected.

Correct Answer:

Correct

Manager Name Manager Division name Employee Name Employee Division Name

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

CLARK Admin MILLER Admin

KING Admin KING Admin

KING Admin BLAKE Maint

KING Admin CLARK Admin

KING Admin JONES Chem

SCOTT Chem ADAMS Chem

FORD Chem SMITH Chem

JONES Chem FORD Chem

JONES Chem SCOTT Chem

BLAKE Maint MARTIN Maint

BLAKE Maint ALLEN Maint

BLAKE Maint TURNER Maint

BLAKE Maint JAMES Maint

BLAKE Maint WARDBS Maint

BLAKE Maint HOLMES Maint

15 rows selected

Response Feedback: [None Given]

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