*Gabriel Nestor* ITI-2180 Foundations of Data and Database Management

**Problem A**

Code:

CREATE TABLE catagory (

catcode VARCHAR2(2),

catdesc VARCHAR2(10)

)

Output:

Table CATAGORY created.

**Problem B**

Code:

ALTER TABLE employees ADD (

empdate DATE DEFAULT sysdate

);

ALTER TABLE employees ADD (

enddate DATE

);

SELECT

empdate,

enddate

FROM

employees;

Output:

Table EMPLOYEES altered.

Table EMPLOYEES altered.

EMPDATE ENDDATE

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

16-SEP-22

16-SEP-22

16-SEP-22

16-SEP-22

16-SEP-22

**Problem C**

Code:

ALTER TABLE employees MODIFY (

job VARCHAR(12)

);

DESC employees;

Output:

Table EMPLOYEES altered.

Name Null? Type

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

EMPNO NOT NULL NUMBER(4)

LNAME VARCHAR2(20)

FNAME VARCHAR2(15)

JOB VARCHAR2(12)

HIREDATE DATE

DEPTNO NOT NULL NUMBER(2)

MTHSAL NUMBER(7,2)

MGR NUMBER(4)

REGION CHAR(2)

EMPDATE DATE

ENDDATE DATE

**Problem D**

Code:

ALTER TABLE employees DROP COLUMN enddate;

DESC EMPLOYEES;

Output:

Table EMPLOYEES altered.

Name Null? Type

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

EMPNO NOT NULL NUMBER(4)

LNAME VARCHAR2(20)

FNAME VARCHAR2(15)

JOB VARCHAR2(12)

HIREDATE DATE

DEPTNO NOT NULL NUMBER(2)

MTHSAL NUMBER(7,2)

MGR NUMBER(4)

REGION CHAR(2)

EMPDATE DATE

**Problem E**

Code:

CREATE TABLE book\_pricing

AS

(

SELECT

isbn "ID",

cost,

retail,

category

FROM

books

);

DESC BOOK\_PRICING;

Output:

Table BOOK\_PRICING created.

Name Null? Type

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

ID VARCHAR2(10)

COST NUMBER(5,2)

RETAIL NUMBER(5,2)

CATEGORY VARCHAR2(12)

**Problem F**

Code:

ALTER TABLE book\_pricing SET UNUSED ( category );

DESC BOOK\_PRICING;

Output:

Table BOOK\_PRICING altered.

Name Null? Type

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

ID VARCHAR2(10)

COST NUMBER(5,2)

RETAIL NUMBER(5,2)

**Problem G**

Code:

TRUNCATE TABLE book\_pricing;

SELECT \*

FROM BOOK\_PRICING;

Output:

Table BOOK\_PRICING truncated.

no rows selected

**Problem H**

Code:

DROP TABLE BOOK\_PRICING

PURGE;

DESC BOOK\_PRICING;

Output:

Table BOOK\_PRICING dropped.

ERROR:

ORA-04043: object BOOK\_PRICING does not exist

**Problem I**

Code:

DESC TAX;

Output:

Name Null? Type

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

STATE VARCHAR2(2)

RATE NUMBER(5,3)

**Problem J**

Code:

SELECT STATE, RATE / 100 "RATE"

FROM TAX

Output:

ST RATE

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

AL .04

AK 0

AZ .056

AR .065

CA .075

CO .029

CT .0635

DE 0

DC .0575

FL .06

GA .04

ST RATE

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

HI .04

ID .06

IL .0625

IN .07

IA .06

KA .0615

KY .06

LA .04

ME .055

MD .06

MA .0625

ST RATE

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

MI .06

MN .06875

MS .07

MO .04225

MT 0

NE .055

NV .0685

NH 0

NJ .07

NM .05125

NY .04

ST RATE

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

NC .0475

ND .05

OH .0575

OK .045

OR 0

PA .06

RI .07

SC .06

SD .04

TN .07

TX .0625

ST RATE

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

UT .0595

VT .06

VA .053

WA .065

WV .06

WI .05

WY .04

51 rows selected.