

PRACTICE ASSIGNMENT (6-4)

1 . INSERT INTO TABLES

A .

The screenshot shows the Oracle APEX SQL Workshop interface. The schema is set to IN_B776_SQL_S01. The code entered is:

```
1 CREATE TABLE ACADEMIC_SESSIONS(ID1 NUMBER(6), NAME1 VARCHAR2(30));
2 INSERT INTO ACADEMIC_SESSIONS VALUES(100, 'SPRING SESSION');
3 INSERT INTO ACADEMIC_SESSIONS VALUES(200, 'FALL SESSION');
4 INSERT INTO ACADEMIC_SESSIONS VALUES(300, 'SUMMER SESSION');
5 SELECT * FROM ACADEMIC_SESSIONS;
```

The results table shows the following data:

ID1	NAME1
100	SPRING SESSION
200	FALL SESSION
300	SUMMER SESSION

B .

The screenshot shows the Oracle APEX SQL Workshop interface. The schema is set to IN_B776_SQL_S01. The code entered is:

```
6 CREATE TABLE AD_DEPARTMENTS(ID1 NUMBER(6), NAME1 VARCHAR2(20), HEAD VARCHAR2(20));
7 INSERT INTO AD_DEPARTMENTS VALUES(10 , 'ACCOUNTING', 'MARK SMITH');
8 INSERT INTO AD_DEPARTMENTS VALUES(20 , 'BIOLOGY', 'DAVE GOLD');
9 INSERT INTO AD_DEPARTMENTS VALUES(30 , 'COMPUTER SCIENCE', 'LINDA BROWN');
10 INSERT INTO AD_DEPARTMENTS VALUES(40 , 'LITERATURE', 'ANITA TAYLOR');
11 SELECT * FROM AD_DEPARTMENTS;
```

The results table shows the following data:

ID1	NAME1	HEAD
20	BIOLOGY	DAVE GOLD
30	COMPUTER SCIENCE	LINDA BROWN
10	ACCOUNTING	MARK SMITH
40	LITERATURE	ANITA TAYLOR

C.

A screenshot of the Oracle APEX SQL Workshop interface. The top navigation bar shows tabs for "APEX", "App Builder", "SQL Workshop", "Team Development", and "Gallery". The "SQL Workshop" tab is active. The schema dropdown is set to "IN_B776_SQL_S01". The main area displays the following SQL code:

```
15 SELECT * FROM AD_DEPARTMENTS;
16 CREATE TABLE PARENT_INFO(ID1 NUMBER(6), PARENT1_FN VARCHAR2(20), PARENT1_LN VARCHAR2(20), PARENT2_FN VARCHAR2(20), PARENT2_LN VARCHAR2(20));
17 INSERT INTO PARENT_INFO VALUES(600, 'NEIL', 'SMITH', 'DORIS', 'SMITH');
18 INSERT INTO PARENT_INFO VALUES(610, 'WILLIAM', 'BEN', 'NITA', 'BEN');
19 INSERT INTO PARENT_INFO VALUES(620, 'SEAN', 'TAYLOR', 'RHEA', 'TAYLOR');
20 INSERT INTO PARENT_INFO VALUES(630, 'DAVE', 'CARMEN', 'CATHY', 'CARMEN');
21 SELECT * FROM PARENT_INFO;
```

The results section shows the following data:

ID1	PARENT1_FN	PARENT1_LN	PARENT2_FN	PARENT2_LN
620	SEAN	TAYLOR	RHEA	TAYLOR
600	NEIL	SMITH	DORIS	SMITH
630	DAVE	CARMEN	CATHY	CARMEN
610	WILLIAM	BEN	NITA	BEN

4 rows returned in 0.01 seconds [Download](#)

D.

A screenshot of the Oracle APEX SQL Workshop interface. The top navigation bar shows tabs for "APEX", "App Builder", "SQL Workshop", "Team Development", and "Gallery". The "SQL Workshop" tab is active. The schema dropdown is set to "IN_B776_SQL_S01". The main area displays the following SQL code:

```
CREATE TABLE AD_COURSES(ID1 NUMBER(6), NAME1 VARCHAR2(20), SESSION_ID NUMBER(6), DEPT_ID NUMBER(6), LOGON_ID VARCHAR2(10), PASSWORD1 VARCHAR2(10), BUILDING VARCHAR2(10), ROOM VARCHAR2(10));
INSERT INTO AD_COURSES VALUES(190, 'CELL BIOLOGY', 200, 20, 0, 'BUILDING 1', 401);
INSERT INTO AD_COURSES VALUES(191, 'PRIN ACCOUNTING', 100, 20, 0, 'BUILDING D', 402);
INSERT INTO AD_COURSES VALUES(193, 'GENERAL BIOLOGY', 200, 20, 'BIO123', 'PASSWORD', 0, 0);
SELECT * FROM AD_COURSES;
```

The results section shows the following data:

ID1	NAME1	SESSION_ID	DEPT_ID	LOGON_ID	PASSWORD1	BUILDING	ROOM
190	CELL BIOLOGY	200	20	0	0	BUILDING 1	401
193	GENERAL BIOLOGY	200	20	BIO123	PASSWORD	0	0
191	PRIN ACCOUNTING	100	20	0	0	BUILDING D	402

3 rows returned in 0.01 seconds [Download](#)

E.

F.

The screenshot shows the Oracle APEX SQL Workshop interface. The top navigation bar includes 'File', 'Edit', 'View', 'History', 'Bookmarks', 'Profiles', 'Tab', 'Window', and 'Help'. The title bar says 'SQL Commands'. The main area has tabs for 'APEX', 'App Builder', 'SQL Workshop' (which is selected), 'Team Development', and 'Gallery'. The 'SQL Workshop' tab has sub-options like 'SQL Commands', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. The 'SQL Commands' tab is active. It has a search bar, a schema dropdown set to 'IN_B776_SQL_S01', and buttons for 'Save' and 'Run'. Below the tabs are buttons for 'Language' (set to 'SQL'), 'Rows' (set to 10), 'Clear Command', and 'Find Tables'. The code editor contains the following SQL:

```

1 CREATE TABLE AD_STUDENTS(ID1 NUMBER(6), FIRST_NAME VARCHAR2(20), LAST_NAME VARCHAR2(20), EMAIL VARCHAR2(30),PARENT_ID NUMBER(6) );
2 INSERT INTO AD_STUDENTS VALUES(720, 'JACK', 'SMITH', 'JSMITH@SCHOOL.EDU', 600);
3 INSERT INTO AD_STUDENTS VALUES(730, 'NOAH', 'AUDRY', 'NAUDRY@SCHOOL.EDU', 640);
4 INSERT INTO AD_STUDENTS VALUES(740, 'RHONDA', 'TAYLOR', 'RTAYLOR@SCHOOL.EDU', 620);
5 INSERT INTO AD_STUDENTS VALUES(750, 'ROBERT', 'BEN', 'JBEN@SCHOOL.EDU', 610);
6 SELECT * FROM AD_STUDENTS;
7

```

The results table shows the following data:

ID1	FIRST_NAME	LAST_NAME	EMAIL	PARENT_ID
730	NOAH	AUDRY	NAUDRY@SCHOOL.EDU	640
740	RHONDA	TAYLOR	RTAYLOR@SCHOOL.EDU	620
720	JACK	SMITH	JSMITH@SCHOOL.EDU	600
750	ROBERT	BEN	JBEN@SCHOOL.EDU	610

4 rows returned in 0.01 seconds [Download](#)

The bottom of the screen shows the macOS dock with various application icons.

G.

The screenshot shows the Oracle APEX Object Browser interface. The top navigation bar includes 'File', 'Edit', 'View', 'History', 'Bookmarks', 'Profiles', 'Tab', 'Window', and 'Help'. The title bar says 'Object Browser'. The main area has tabs for 'APEX', 'App Builder', 'SQL Workshop' (selected), 'Team Development', and 'Gallery'. The 'SQL Workshop' tab has sub-options like 'SQL Commands', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. The 'Object Browser' tab is active. It has a search bar, a schema dropdown set to 'IN_B776_SQL_S01', and buttons for 'Save' and 'Run'. Below the tabs are buttons for 'Table' (selected), 'Data', 'Indexes', 'Model', 'Constraints', 'Grants', 'Statistics', 'UI Defaults', 'Triggers', 'Dependencies', 'SQL', 'REST', and 'Sample Queries'. The table structure for 'AD_EXAMS' is displayed:

Column Name	Data Type	Nullable	Default	Primary Key
ID1	NUMBER(6,0)	Yes	-	-
START_DATE	VARCHAR2(20)	Yes	-	-
EXAM_TYPE	VARCHAR2(10)	Yes	-	-
COURSE_ID	NUMBER(6,0)	Yes	-	-

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The bottom of the screen shows the macOS dock with various application icons.

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SQL Commands

```
8 CREATE TABLE EXAM_TYPES(TYPE1 VARCHAR2(10), NAME1 VARCHAR2(50), DESCRIPTION1 VARCHAR2(50));
9 INSERT INTO EXAM_TYPES VALUES('MCE', 'MULTIPLE CHOICE EXAMS', 'CHOOSE MORE THAN ONE ANSWER');
10 INSERT INTO EXAM_TYPES VALUES('TF', 'TRUE AND FALSE EXAMS', 'CHOOSE EITHER TRUE OR FALSE');
11 INSERT INTO EXAM_TYPES VALUES('ESS', 'ESSAY Exams', 'WRITE PARAGRAPHS');
12 SELECT * FROM EXAM_TYPES;
```

Results

TYPE1	NAME1	DESCRIPTION1
ESS	ESSAY Exams	WRITE PARAGRAPHS
TF	TRUE AND FALSE EXAMS	CHOOSE EITHER TRUE OR FALSE
MCE	MULTIPLE CHOICE EXAMS	CHOOSE MORE THAN ONE ANSWER

3 rows returned in 0.01 seconds [Download](#)



H .

SQL Commands

```
1 CREATE TABLE EXAM_RESULTS(STUDENT_ID NUMBER(6), COURSE_ID NUMBER(6), EXAM_ID NUMBER(6), EXAM_GRADE NUMBER(6));
2 INSERT INTO EXAM_RESULTS VALUES(720,190,500,91);
3 INSERT INTO EXAM_RESULTS VALUES(730,195,548,87);
4 INSERT INTO EXAM_RESULTS VALUES(730,194,538,85);
5 INSERT INTO EXAM_RESULTS VALUES(750,195,518,97);
6 INSERT INTO EXAM_RESULTS VALUES(760,192,510,78);
7 INSERT INTO EXAM_RESULTS VALUES(720,193,528,97);
8 SELECT * FROM EXAM_RESULTS;
```

Results

STUDENT_ID	COURSE_ID	EXAM_ID	EXAM_GRADE
750	195	510	97
720	193	520	97
760	192	510	70
730	194	530	85
730	195	540	87
720	190	500	91

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APEX App Builder SQL Workshop Team Development Gallery

SQL Commands Search Schema IN_B776_SQL_S01

Language SQL Rows 10 Clear Command Find Tables Save Run

```

1 CREATE TABLE STUDENT_ATTENDENCE(STUDENT_ID NUMBER(6),SESSION_ID NUMBER(6),WORK_DAYS NUMBER(6), DAYS_OFF NUMBER(6), EXAM_ELIGIBILITY VARCHAR2(10));
2 INSERT INTO STUDENT_ATTENDENCE VALUES(730,200,188,11,'Y');
3 INSERT INTO STUDENT_ATTENDENCE VALUES(740,300,188,12,'Y');
4 INSERT INTO STUDENT_ATTENDENCE VALUES(770,300,180,13,'Y');
5 INSERT INTO STUDENT_ATTENDENCE VALUES(760,200,180,15,'Y');
6 SELECT * FROM STUDENT_ATTENDENCE;
7
8
9
10

```

Results Explain Describe Saved SQL History

STUDENT_ID	SESSION_ID	WORK_DAYS	DAYS_OFF	EXAM_ELIGIBILITY
760	200	180	15	Y
740	300	180	12	Y
750	200	180	11	Y
770	300	180	13	Y

4 rows returned in 0.00 seconds Download

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J .

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APEX App Builder SQL Workshop Team Development Gallery

SQL Commands Search Schema IN_B776_SQL_S01

Language SQL Rows 10 Clear Command Find Tables Save Run

```

1 CREATE TABLE STUDENT_ATTENDENCE(STUDENT_ID NUMBER(6),SESSION_ID NUMBER(6),WORK_DAYS NUMBER(6), DAYS_OFF NUMBER(6), EXAM_ELIGIBILITY VARCHAR2(10));
2 INSERT INTO STUDENT_ATTENDENCE VALUES(740,300,180,12,'Y');
3 INSERT INTO STUDENT_ATTENDENCE VALUES(770,300,180,13,'Y');
4 INSERT INTO STUDENT_ATTENDENCE VALUES(760,200,180,15,'Y');
5 SELECT * FROM STUDENT_ATTENDENCE;
6
7
8 CREATE TABLE COURSE_DETAILS(STUDENT_ID NUMBER(6), COURSE_ID NUMBER(6), GRADE VARCHAR2(3));
9 INSERT INTO COURSE_DETAILS VALUES(720,190,'A');
10 INSERT INTO COURSE_DETAILS VALUES(760,190,'B');
11 INSERT INTO COURSE_DETAILS VALUES(770,194,'A');
12 INSERT INTO COURSE_DETAILS VALUES(730,191,'C');
13 INSERT INTO COURSE_DETAILS VALUES(740,195,'F');
14 INSERT INTO COURSE_DETAILS VALUES(770,192,'D');

```

Results Explain Describe Saved SQL History

STUDENT_ID	COURSE_ID	GRADE
750	191	C
760	190	B
770	192	D
720	190	A
770	194	A
740	195	F

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K.

A screenshot of a Mac OS X desktop showing a Chrome browser window with the Oracle APEX SQL Workshop interface. The URL is `iacademy2.oracle.com/ords/f?p=4500:1003:6354194658302::::`. The schema is set to `IN_B776_SQL_S01`. The SQL editor contains the following code:

```
17 CREATE TABLE FACULTY_COURSE(FACULTY_ID NUMBER(6), COURSE_ID NUMBER(6), CONTACT_HRS NUMBER(6));
18 INSERT INTO FACULTY_COURSE VALUES(800,192,3);
19 INSERT INTO FACULTY_COURSE VALUES(800,193,4);
20 INSERT INTO FACULTY_COURSE VALUES(800,190,5);
21 INSERT INTO FACULTY_COURSE VALUES(810,194,4);
22 INSERT INTO FACULTY_COURSE VALUES(810,195,5);
23 INSERT INTO FACULTY_COURSE VALUES(810,195,5);
24 SELECT * FROM FACULTY_COURSE;
25
```

The results section shows the following data:

FACULTY_ID	COURSE_ID	CONTACT_HRS
800	193	4
810	195	5
800	192	3
810	194	4
800	190	5

5 rows returned in 0.01 seconds [Download](#)

2.

A.

A screenshot of a Mac OS X desktop showing a Chrome browser window with the Oracle APEX SQL Workshop interface. The URL is `iacademy2.oracle.com/ords/f?p=4500:1003:6354194658302::::`. The schema is set to `IN_B776_SQL_S01`. The SQL editor contains the following code:

```
27 ALTER TABLE FACULTY_COURSE ADD COURSE_NAME VARCHAR2(10);
28 DESC FACULTY_COURSE;
29
30
31
```

The results section shows the description of the `FACULTY_COURSE` table:

Object Type	Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
FACULTY_COURSE	FACULTY_ID	NUMBER	-	6	0	-	✓	-	-	
	COURSE_ID	NUMBER	-	6	0	-	✓	-	-	
	CONTACT_HRS	NUMBER	-	6	0	-	✓	-	-	
	COURSE_NAME	VARCHAR2	10	-	-	-	-	✓	-	-