

ASSIGNMENT 1

PRACTICE 6_3

```
CREATE TABLE Students ( student_id NUMBER PRIMARY KEY,first_name VARCHAR2(50)
NOT NULL, last_name VARCHAR2(50) NOT NULL,date_of_birth DATE NOT NULL, email
VARCHAR2(100) UNIQUE NOT NULL);
```

```
CREATE TABLE Courses (course_id NUMBER PRIMARY KEY,course_name
VARCHAR2(100) NOT NULL,department VARCHAR2(50) NOT NULL);
```

```
CREATE TABLE Enrollments (enrollment_id NUMBER PRIMARY KEY,student_id
NUMBER,course_id NUMBER,enrollment_date DATE NOT NULL, FOREIGN KEY
(student_id) REFERENCES Students(student_id), FOREIGN KEY (course_id)
REFERENCES Courses(course_id) );
```

```
CREATE TABLE Faculty ( faculty_id NUMBER PRIMARY KEY, first_name VARCHAR2(50)
NOT NULL,last_name VARCHAR2(50) NOT NULL,hire_date DATE NOT NULL, email
VARCHAR2(100) UNIQUE NOT NULL );
```

```
CREATE TABLE faculty_Departments (department_id VARCHAR2(10) PRIMARY
KEY,department_name VARCHAR2(100) NOT NULL);
```

```
CREATE TABLE Teaching_Assignments (assignment_id NUMBER PRIMARY KEY,
faculty_id NUMBER,course_id NUMBER,semester VARCHAR2(20) NOT NULL, year
NUMBER NOT NULL,FOREIGN KEY (faculty_id) REFERENCES Faculty(faculty_id),
FOREIGN KEY (course_id) REFERENCES Courses(course_id));
```

```
CREATE TABLE Grades (grade_id NUMBER PRIMARY KEY,enrollment_id NUMBER,
course_id NUMBER,student_id NUMBER,grade_letter VARCHAR2(2) NOT NULL,FOREIGN
KEY (enrollment_id) REFERENCES Enrollments(enrollment_id),FOREIGN KEY (course_id)
REFERENCES Courses(course_id), FOREIGN KEY (student_id) REFERENCES
Students(student_id));
```

```
CREATE TABLE AD_COURSES (COURSE_ID INT ,COURSE_NAME VARCHAR(255) );
```

```
CREATE TABLE AD_DEPARTMENTS (EPARTMENT_ID INT ,DEPARTMENT_NAME
VARCHAR(255) );
```

```
CREATE TABLE AD_STUDENTS ( STUDENT_ID INT ,STUDENT_EMAIL VARCHAR(255));
```

```
CREATE TABLE AD_FACULTY (FACULTY_ID INT ,FACULTY_EMAIL VARCHAR(255));
```

```
CREATE TABLE AD_ACADEMIC_SESSIONS (SESSION_ID INT ,SESSION_NAME
VARCHAR(255));
```

```
ALTER TABLE AD_COURSES ADD CONSTRAINT course_pk PRIMARY KEY
(COURSE_ID);
```

```
ALTER TABLE AD_COURSES ADD CONSTRAINT course_name_uk UNIQUE
(COURSE_NAME);
```

```
ALTER TABLE AD_DEPARTMENTS ADD CONSTRAINT PK_AD_DEPARTMENTS
PRIMARY KEY (EPARTMENT_ID);
```

```
ALTER TABLE AD_DEPARTMENTS ADD CONSTRAINT UNQ_DEPARTMENT_NAME  
UNIQUE (DEPARTMENT_NAME);
```

```
ALTER TABLE AD_STUDENTS ADD CONSTRAINT PK_AD_STUDENTS PRIMARY KEY  
(STUDENT_ID);
```

```
ALTER TABLE AD_STUDENTS ADD CONSTRAINT UNQ_STUDENT_EMAIL UNIQUE  
(STUDENT_EMAIL);
```

```
ALTER TABLE AD_FACULTY ADD CONSTRAINT PK_AD_FACULTY PRIMARY KEY  
(FACULTY_ID);
```

```
ALTER TABLE AD_FACULTY ADD CONSTRAINT UNQ_FACULTY_EMAIL UNIQUE  
(FACULTY_EMAIL);
```

```
ALTER TABLE AD_ACADEMIC_SESSIONS ADD CONSTRAINT  
PK_AD_ACADEMIC_SESSIONS PRIMARY KEY (SESSION_ID);
```

```
ALTER TABLE AD_ACADEMIC_SESSIONS ADD CONSTRAINT UNQ_SESSION_NAME  
UNIQUE (SESSION_NAME);
```

```
CREATE TABLE AD_FACULTY_LOGIN_DETAILS(LOGIN_DATE_TIME TIMESTAMP);
```

```
ALTER TABLE AD_FACULTY_LOGIN_DETAILS MODIFY LOGIN_DATE_TIME SET  
DEFAULT SYSDATE;
```

```
CREATE TABLE AD_PARENT_INFORMATION(NAME VARCHAR2(20),PHONE_NO INT);
```

```
ALTER TABLE AD_PARENT_INFORMATION READ ONLY;
```

```
CREATE TABLE DEPTT (dept_id NUMBER(8),dept_name VARCHAR2(30),loc_id  
NUMBER(4),CONSTRAINT dept_pk PRIMARY KEY (dept_id, loc_id) );
```

The screenshot displays the Oracle APEX SQL Workshop interface. The top navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. The 'SQL Commands' tab is active, showing a list of SQL commands for creating a database schema. The 'Results' tab shows 'Table created.' The bottom of the screenshot shows a Windows taskbar with a weather widget and system clock.

```
CREATE TABLE students ( student_id NUMBER PRIMARY KEY,first_name VARCHAR(50) NOT NULL, last_name VARCHAR(50) NOT NULL,date_of_birth DATE NOT NULL, email VARCHAR(100) UNIQUE NOT NULL);
CREATE TABLE courses (course_id NUMBER PRIMARY KEY,course_name VARCHAR(100) NOT NULL,department VARCHAR(25) NOT NULL);
CREATE TABLE enrollments (enrollment_id NUMBER PRIMARY KEY,student_id NUMBER,course_id NUMBER,enrollment_date DATE NOT NULL, FOREIGN KEY (student_id) REFERENCES students(student_id), FOREIGN KEY (course_id) REFERENCES courses(course_id));
CREATE TABLE faculty ( faculty_id NUMBER PRIMARY KEY, first_name VARCHAR(50) NOT NULL, last_name VARCHAR(50) NOT NULL,hire_date DATE NOT NULL, email VARCHAR(100) UNIQUE NOT NULL);
CREATE TABLE departments (department_id VARCHAR(10) PRIMARY KEY,department_name VARCHAR(25) NOT NULL);
CREATE TABLE teaching_assignments (assignment_id NUMBER PRIMARY KEY, faculty_id NUMBER,course_id NUMBER,semester VARCHAR(20) NOT NULL, prof_name VARCHAR(100) NOT NULL, FOREIGN KEY (faculty_id) REFERENCES faculty(faculty_id), FOREIGN KEY (course_id) REFERENCES courses(course_id));
CREATE TABLE grades (grade_id NUMBER PRIMARY KEY,enrollment_id NUMBER, course_id NUMBER,student_id NUMBER,grade_letter VARCHAR(20) NOT NULL, FOREIGN KEY (enrollment_id) REFERENCES enrollments(enrollment_id), FOREIGN KEY (course_id) REFERENCES courses(course_id), FOREIGN KEY (student_id) REFERENCES students(student_id));
CREATE TABLE ad_courses (course_id INT, course_name VARCHAR(100));
CREATE TABLE ad_departments (department_id INT, department_name VARCHAR(25));
CREATE TABLE ad_students ( student_id INT, student_email VARCHAR(100));
CREATE TABLE ad_faculty (faculty_id INT, faculty_email VARCHAR(100));
CREATE TABLE ad_academic_sessions (session_id INT, session_name VARCHAR(30));
ALTER TABLE ad_courses ADD CONSTRAINT course_pk PRIMARY KEY (course_id);
ALTER TABLE ad_courses ADD CONSTRAINT course_name_idx INDEX (course_name);
ALTER TABLE ad_departments ADD CONSTRAINT pk_ad_departments PRIMARY KEY (department_id);
ALTER TABLE ad_departments ADD CONSTRAINT unique_department_name UNIQUE (department_name);
ALTER TABLE ad_students ADD CONSTRAINT pk_ad_students PRIMARY KEY (student_id);
ALTER TABLE ad_students ADD CONSTRAINT unique_student_email UNIQUE (student_email);
ALTER TABLE ad_faculty ADD CONSTRAINT pk_ad_faculty PRIMARY KEY (faculty_id);
ALTER TABLE ad_faculty ADD CONSTRAINT unique_faculty_email UNIQUE (faculty_email);
ALTER TABLE ad_academic_sessions ADD CONSTRAINT pk_ad_academic_sessions PRIMARY KEY (session_id);
ALTER TABLE ad_academic_sessions ADD CONSTRAINT unique_session_name UNIQUE (session_name);
CREATE TABLE ad_faculty_login_details (login_date TIME NOT NULL);
ALTER TABLE ad_faculty_login_details MODIFY (login_date TIME NOT NULL SYSDATE);
CREATE TABLE ad_parent_information (parent_id INT, phone_no INT);
ALTER TABLE ad_parent_information MODIFY (parent_id INT);
```

PRACTICE 6_4

```
CREATE TABLE ACADEMIC_SESSIONS(id NUMBER(10),NAME VARCHAR(30));
INSERT INTO ACADEMIC_SESSIONS VALUES(100,'SPRING SESSION');
INSERT INTO ACADEMIC_SESSIONS VALUES(200,'FALL SESSION');
INSERT INTO ACADEMIC_SESSIONS VALUES(300,'SUMMER SESSION');
SELECT* FROM ACADEMIC_SESSIONS;
```

```
CREATE TABLE AD_DEPARTMENTS(id NUMBER(10),name VARCHAR(25),HEAD
VARCHAR(25));
```

```
INSERT INTO AD_DEPARTMENTS VALUES(10,'ACCOUNTING','MARK SMITH');
INSERT INTO AD_DEPARTMENTS VALUES(20,'BIOLOGY','DAVE GOLD');
INSERT INTO AD_DEPARTMENTS VALUES(30,'COMPUTER SCIENCE','LINDA BROWN');
INSERT INTO AD_DEPARTMENTS VALUES(40,'LITERATURE','ANITA TAYLOR');
SELECT* FROM AD_DEPARTMENTS;
```

```
CREATE TABLE PARENT_INFO(id NUMBER(10),PARENT1_FN
VARCHAR(10),PARENT1_LN VARCHAR(20),PARENT2_FN VARCHAR(20),PARENT2_LN
VARCHAR(20));
```

```
INSERT INTO PARENT_INFO VALUES(600,'NEIL','SMITH','DORIS','SMITH');
INSERT INTO PARENT_INFO VALUES(610,'WILLIAM','BEN','NITA','BEN');
INSERT INTO PARENT_INFO VALUES(620,'SEAN','TAYLOR','RHEA','TAYLOR');
INSERT INTO PARENT_INFO VALUES(630,'DAVE','CARMEN','CATHY','CARMEN');
ALTER TABLE PARENT_INFO READ WRITE;
SELECT* FROM PARENT_INFO;
```

```
CREATE TABLE AD_STUDENTS(ID NUMBER(10),FIRST_NAME
VARCHAR(20),LAST_NAME VARCHAR(20),REG_YEAR DATE,EMAIL
VARCHAR(36),PARENT_ID NUMBER(10));
```

```
INSERT INTO AD_STUDENTS VALUES(720,'JACK','SMITH','01-JAN-
2012','JSMITH@SCHOOLEDU',600);
INSERT INTO AD_STUDENTS VALUES(730,'NOAH','AUDRY','01-JAN-
2012','NAUDRY@SCHOOLEDU',640);
INSERT INTO AD_STUDENTS VALUES(740,'RHONDA','TAYLOR','01-SEP-
2012','RTAYLOR@SCHOOLEDU',620);
INSERT INTO AD_STUDENTS VALUES(750,'ROBERT','BEN','01-MAR-
2012','RBEN@SCHOOLEDU',610);
INSERT INTO AD_STUDENTS VALUES(760,'JEANNE','BEN','01-MAR-
2012','JBEN@SCHOOLEDU',610);
INSERT INTO AD_STUDENTS VALUES(770,'MILLS','CARMEN','01-APR-
2013','MCARMEN@SCHOOLEDU',630);
SELECT* FROM AD_STUDENTS;
```

```
CREATE TABLE AD_COURSES(ID NUMBER(10),NAME VARCHAR(25),SESSION_ID
NUMBER(10),DEPT_ID NUMBER(6),LOGIN_ID VARCHAR(20),PASSWORD1
VARCHAR(10),BUILDING VARCHAR(10),ROOM VARCHAR(10));
```

```
INSERT INTO AD_COURSES VALUES(195,'CELL BIOLOGY',200,20,0,0,'BUILDING D',401);
```

```
INSERT INTO AD_COURSES VALUES(190,'PRINCIPLES OF ACCOUNTING',100,10,0,0,'BUILDING A',101);
```

```
INSERT INTO AD_COURSES VALUES(192,'COST ACCOUNTING',100,10,0,0,'BUILDING C',301);
```

```
INSERT INTO AD_COURSES VALUES(194,'GENERAL BIOLOGY',200,20,'BIO123','PASSWORD',NULL,NULL);
```

```
SELECT* FROM AD_COURSES;
```

```
CREATE TABLE AD_FACULTY(ID NUMBER(10),F_NAME VARCHAR(25),L_NAME VARCHAR(25),EMAIL VARCHAR(40),SALARY VARCHAR(10),INSURANCE VARCHAR(20),HOURLY_RATE VARCHAR(8),DEPT_ID NUMBER(20));
```

```
INSERT INTO AD_FACULTY  
VALUES(800,'JILL','MILLER','JMILL@SCHOOLEDU',10000,'HEALTH',NULL,20);
```

```
INSERT INTO AD_FACULTY VALUES(810,'JAMES', 'BORG', 'JBORG@SCHOOL.EDU',  
30000, 'HEALTH,DENTAL' 10);
```

```
INSERT INTO AD_FACULTY  
VALUES(820,'LYNN','BROWN','LBROWN@SCHOOLEDU',NULL,NULL,50,30);
```

```
INSERT INTO AD_FACULTY  
VALUES(830,'ARTHUR','SMITH','ASMITH@SCHOOLEDU',NULL,NULL,40,10);
```

```
SELECT* FROM AD_FACULTY;
```

```
CREATE TABLE AD_EXAM_TYPES(TYPE1 VARCHAR(5),NAME  
VARCHAR(50),DESCRIPTION1 VARCHAR(50));
```

```
INSERT INTO AD_EXAM_TYPES VALUES('MCE','MULTIPLE CHOICE EXAMS','CHOOSE  
MORE THAN ONE ANS');
```

```
INSERT INTO AD_EXAM_TYPES VALUES('TF','TRUE AND FALSE EXAMS','CHOOSE  
EITHER TRUE OR FALSE');
```

```
INSERT INTO AD_EXAM_TYPES VALUES('ESS','ESSAY EXAMS','WRITE  
PARAGRAPHS');
```

```
INSERT INTO AD_EXAM_TYPES VALUES('SA','SHORT ANSWER EXAMS','WRITE  
SHORT ANSWERS');
```

```
SELECT* FROM AD_EXAM_TYPES;
```

```
CREATE TABLE AD_EXAMS(ID NUMBER(19),START_DATE DATE,EXAM_TYPE  
VARCHAR(10),COURSE_ID NUMBER(20));
```

```
INSERT INTO AD_EXAMS VALUES(500,'12-SEP-2013','MCE',190);
```

```
INSERT INTO AD_EXAMS VALUES(510,'15-SEP-2013','SA',191);
INSERT INTO AD_EXAMS VALUES(520,'18-SEP-2013','FIB',192);
INSERT INTO AD_EXAMS VALUES(530,'21-MAR-2013','ESS',193);
SELECT* FROM AD_EXAMS;
```

```
CREATE TABLE AD_EXAM_RESULTS(STUDENT_ID NUMBER(10),COURSE_ID
NUMBER(10),EXAM_ID NUMBER(10),EXAM_GRADE VARCHAR(10));
INSERT INTO AD_EXAM_RESULTS VALUES(720,190, 500 ,91);
INSERT INTO AD_EXAM_RESULTS VALUES(730,195,540,87 );
INSERT INTO AD_EXAM_RESULTS VALUES(730, 194, 530, 85 );
INSERT INTO AD_EXAM_RESULTS VALUES(750,195,510,97);
INSERT INTO AD_EXAM_RESULTS VALUES(760,192,510,70 );
INSERT INTO AD_EXAM_RESULTS VALUES(760,192,540, 65 );
INSERT INTO AD_EXAM_RESULTS VALUES(760,191,530,60 );
SELECT* FROM AD_EXAM_RESULTS;
```

```
CREATE TABLE AD_STUDENT_ATTENDANCE(STUDENT_ID NUMBER(10),SESSION_ID
NUMBER(10),NUM_WORK_DAYS NUMBER(10),NUM_DAYS_OFF
NUMBER(10),EXAM_ELIGIBILITY VARCHAR(10));
INSERT INTO AD_STUDENT_ATTENDANCE VALUES(730,200,180,11,'Y');
INSERT INTO AD_STUDENT_ATTENDANCE VALUES(740,300,180,12,'Y');
INSERT INTO AD_STUDENT_ATTENDANCE VALUES(770,300,180,13,'Y');
INSERT INTO AD_STUDENT_ATTENDANCE VALUES(720,100,180,21,'Y');
SELECT* FROM AD_STUDENT_ATTENDANCE;
```

```
CREATE TABLE AD_STUDENT_COURSE_DETAILS(STUDENT_ID
NUMBER(10),COURSE_ID NUMBER(10),GRADE VARCHAR(4));
INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(720,190,'A');
INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(750,192,'A');
INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(760,190,'B');
INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(770,194,'A');
INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(720,193,'B');
INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(760,192,'C');
SELECT* FROM AD_STUDENT_COURSE_DETAILS;
```

```
CREATE TABLE AD_FACULTY_COURSE_DETAILS(FACULTY_ID
NUMBER(10),COURSE_ID NUMBER(10),CONTACT_HRS NUMBER(3));
INSERT INTO AD_FACULTY_COURSE_DETAILS VALUES(800,192,3);
INSERT INTO AD_FACULTY_COURSE_DETAILS VALUES(800,193,4);
INSERT INTO AD_FACULTY_COURSE_DETAILS VALUES(800,190,5);
INSERT INTO AD_FACULTY_COURSE_DETAILS VALUES(800,191,3);
INSERT INTO AD_FACULTY_COURSE_DETAILS VALUES(800,192,3);
INSERT INTO AD_FACULTY_COURSE_DETAILS VALUES(810,194,4);
SELECT* FROM AD_FACULTY_COURSE_DETAILS;
```

```
CREATE TABLE AD_FACULTY_LOGIN_DETAILS(FACULTY_ID
NUMBER(10),LOGIN_DATE_TIME TIMESTAMP);
INSERT INTO AD_FACULTY_LOGIN_DETAILS VALUES(800,'01-JUN-17
05.10.39.000PM');
INSERT INTO AD_FACULTY_LOGIN_DETAILS VALUES(800,'01-JUN-17
05.13.15.000PM');
INSERT INTO AD_FACULTY_LOGIN_DETAILS VALUES(810,'01-JUN-17
05.13.12.000PM');
INSERT INTO AD_FACULTY_LOGIN_DETAILS VALUES(820,'01-JUN-17
05.10.31.000PM');
SELECT* FROM AD_FACULTY_LOGIN_DETAILS;
```

```
ALTER TABLE AD_FACULTY_LOGIN_DETAILS ADD DETAILS VARCHAR(50);
DESC AD_FACULTY_LOGIN_DETAILS;
```

```
CREATE TABLE copy_FAC_LOGIN AS (SELECT* FROM
AD_FACULTY_LOGIN_DETAILS);
INSERT INTO copy_FAC_LOGIN VALUES(800,'01-JUN-17 05.10.39.000PM','ABCDEFG');
INSERT INTO copy_FAC_LOGIN VALUES(800,'01-JUN-17 05.13.15.000PM','XYZ');
SELECT*FROM copy_FAC_LOGIN;
```

SQL Commands

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APEX

App Builder

SQL Workshop

Team Development

Gallery

Search

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in_b776_sql_s27

SQL Commands

Schema IN_B776_SQL_S27

Language SQL Rows 10 Clear Command Find Tables Save Run

1

CREATE TABLE ACADEMIC_SESSIONS (ID NUMBER(10), NAME VARCHAR(30));

2

INSERT INTO ACADEMIC_SESSIONS VALUES (100, 'SPRING SESSION');

3

INSERT INTO ACADEMIC_SESSIONS VALUES (101, 'FALL SESSION');

4

INSERT INTO ACADEMIC_SESSIONS VALUES (102, 'SUMMER SESSION');

5

SELECT * FROM ACADEMIC_SESSIONS;

6

7

CREATE TABLE AD_DEPARTMENTS (ID NUMBER(10), NAME VARCHAR(25), HEAD VARCHAR(25));

8

INSERT INTO AD_DEPARTMENTS VALUES (10, 'ACCOUNTING', 'MARK SPETI');

9

INSERT INTO AD_DEPARTMENTS VALUES (20, 'ENGINEERING', 'DAVE WALD');

10

INSERT INTO AD_DEPARTMENTS VALUES (30, 'COMPUTER SCIENCE', 'LINDA BROWN');

11

INSERT INTO AD_DEPARTMENTS VALUES (40, 'LITERATURE', 'ANITA TAYLOR');

12

SELECT * FROM AD_DEPARTMENTS;

13

14

CREATE TABLE PARENT_INFO (L1_REFID NUMBER(10), PARENT1_LN VARCHAR(10), PARENT1_FN VARCHAR(20), PARENT2_LN VARCHAR(20), PARENT2_FN VARCHAR(20));

15

INSERT INTO PARENT_INFO VALUES (600, 'MELLY', 'SPETH', 'DOUGLAS', 'SPETH');

16

INSERT INTO PARENT_INFO VALUES (610, 'MELLIAM', 'BEN', 'NETA', 'BEN');

17

INSERT INTO PARENT_INFO VALUES (620, 'DEAN', 'PAYLEN', 'MERA', 'TAYLOR');

18

INSERT INTO PARENT_INFO VALUES (630, 'DINE', 'CAMBER', 'CATIN', 'CAMBER');

19

ALTER TABLE PARENT_INFO READ WRITE;

20

SELECT * FROM PARENT_INFO;

21

22

CREATE TABLE AD_STUDENTS (ID NUMBER(10), FIRST_NAME VARCHAR(30), LAST_NAME VARCHAR(30), REG_YEAR DATE, EMAIL VARCHAR(30), PARENT_ID NUMBER(10));

23

INSERT INTO AD_STUDENTS VALUES (720, 'JACK', 'SPETH', '01-01-2013', 'JACKSPETH@EXAMPLE.COM');

Results Explain Describe Saved SQL History

ID	NAME	HEAD
----	------	------

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in_b776_sql_s27

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SQL Commands

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APEX

App Builder

SQL Workshop

Team Development

Gallery

Search

in_b776_sql_s27

in_b776_sql_s27

SQL Commands

Schema IN_B776_SQL_S27

Language SQL Rows 10 Clear Command Find Tables Save Run

45

CREATE TABLE AD_EXAM_TYPES (TYPE1 VARCHAR(5), NAME VARCHAR(50), DESCRIPTION1 VARCHAR(50));

46

INSERT INTO AD_EXAM_TYPES VALUES ('MCE', 'MULTIPLE CHOICE EXAMS', 'CHOOSE MORE THAN ONE ANSWER');

47

INSERT INTO AD_EXAM_TYPES VALUES ('T/F', 'TRUE AND FALSE EXAMS', 'CHOOSE EITHER TRUE OR FALSE');

48

INSERT INTO AD_EXAM_TYPES VALUES ('ESS', 'ESSAY EXAMS', 'WRITE PARAGRAPHS');

49

INSERT INTO AD_EXAM_TYPES VALUES ('SA', 'SHORT ANSWER EXAMS', 'WRITE SHORT ANSWERS');

50

SELECT * FROM AD_EXAM_TYPES;

51

52

CREATE TABLE AD_EXAMS (ID NUMBER(10), START_DATE DATE, EXAM_TYPE VARCHAR(10), COURSE_ID NUMBER(20));

53

INSERT INTO AD_EXAMS VALUES (500, '12-SEP-2013', 'MCE', 100);

54

INSERT INTO AD_EXAMS VALUES (510, '15-SEP-2013', 'SA', 101);

55

INSERT INTO AD_EXAMS VALUES (520, '18-SEP-2013', 'T/F', 102);

56

INSERT INTO AD_EXAMS VALUES (530, '21-MAR-2013', 'ESS', 103);

57

SELECT * FROM AD_EXAMS;

58

59

CREATE TABLE AD_EXAM_RESULTS (STUDENT_ID NUMBER(10), COURSE_ID NUMBER(10), EXAM_ID NUMBER(10), EXAM_GRADE VARCHAR(10));

60

INSERT INTO AD_EXAM_RESULTS VALUES (720, 100, 500, '93');

61

INSERT INTO AD_EXAM_RESULTS VALUES (730, 101, 500, '87');

62

INSERT INTO AD_EXAM_RESULTS VALUES (730, 104, 510, '85');

63

INSERT INTO AD_EXAM_RESULTS VALUES (750, 105, 510, '97');

64

INSERT INTO AD_EXAM_RESULTS VALUES (760, 105, 520, '79');

65

INSERT INTO AD_EXAM_RESULTS VALUES (760, 107, 540, '85');

66

INSERT INTO AD_EXAM_RESULTS VALUES (760, 101, 530, '60');

Results Explain Describe Saved SQL History

ID	NAME	HEAD
----	------	------

in_b776_sql_s27

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APEX

App Builder

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Search

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in_b776_sql_s27

SQL Commands

Schema IN_B776_SQL_S27

Language SQL Rows 10 Clear Command Find Tables Save Run

45

CREATE TABLE AD_EXAM_TYPES (TYPE1 VARCHAR(5), NAME VARCHAR(50), DESCRIPTION1 VARCHAR(50));

46

INSERT INTO AD_EXAM_TYPES VALUES ('MCE', 'MULTIPLE CHOICE EXAMS', 'CHOOSE MORE THAN ONE ANSWER');

47

INSERT INTO AD_EXAM_TYPES VALUES ('T/F', 'TRUE AND FALSE EXAMS', 'CHOOSE EITHER TRUE OR FALSE');

48

INSERT INTO AD_EXAM_TYPES VALUES ('ESS', 'ESSAY EXAMS', 'WRITE PARAGRAPHS');

49

INSERT INTO AD_EXAM_TYPES VALUES ('SA', 'SHORT ANSWER EXAMS', 'WRITE SHORT ANSWERS');

50

SELECT * FROM AD_EXAM_TYPES;

51

52

CREATE TABLE AD_EXAMS (ID NUMBER(10), START_DATE DATE, EXAM_TYPE VARCHAR(10), COURSE_ID NUMBER(20));

53

INSERT INTO AD_EXAMS VALUES (500, '12-SEP-2013', 'MCE', 100);

54

INSERT INTO AD_EXAMS VALUES (510, '15-SEP-2013', 'SA', 101);

55

INSERT INTO AD_EXAMS VALUES (520, '18-SEP-2013', 'T/F', 102);

56

INSERT INTO AD_EXAMS VALUES (530, '21-MAR-2013', 'ESS', 103);

57

SELECT * FROM AD_EXAMS;

58

59

CREATE TABLE AD_EXAM_RESULTS (STUDENT_ID NUMBER(10), COURSE_ID NUMBER(10), EXAM_ID NUMBER(10), EXAM_GRADE VARCHAR(10));

60

INSERT INTO AD_EXAM_RESULTS VALUES (720, 100, 500, '93');

61

INSERT INTO AD_EXAM_RESULTS VALUES (730, 101, 500, '87');

62

INSERT INTO AD_EXAM_RESULTS VALUES (730, 104, 510, '85');

63

INSERT INTO AD_EXAM_RESULTS VALUES (750, 105, 510, '97');

64

INSERT INTO AD_EXAM_RESULTS VALUES (760, 105, 520, '79');

65

INSERT INTO AD_EXAM_RESULTS VALUES (760, 107, 540, '85');

66

INSERT INTO AD_EXAM_RESULTS VALUES (760, 101, 530, '60');

Results Explain Describe Saved SQL History

ID	NAME	HEAD
----	------	------

in_b776_sql_s27

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APEX

App Builder

SQL Workshop

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Q Search

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in_b776_sql_s27

SQL Commands

Schema IN_B776_SQL_S27

Language SQL

Rows 10

Clear Command

Find Tables

Save

Run

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61 INSERT INTO AD_EXAM_RESULTS VALUES(730,195,540,87);

62 INSERT INTO AD_EXAM_RESULTS VALUES(730,194,530,80);

63 INSERT INTO AD_EXAM_RESULTS VALUES(730,195,510,97);

64 INSERT INTO AD_EXAM_RESULTS VALUES(730,192,510,70);

65 INSERT INTO AD_EXAM_RESULTS VALUES(730,192,540,69);

66 INSERT INTO AD_EXAM_RESULTS VALUES(730,191,530,60);

67 SELECT* FROM AD_EXAM_RESULTS;

68

69 CREATE TABLE AD_STUDENT_ATTENDANCE(STUDENT_ID NUMBER(10),SESSION_ID NUMBER(10),HWP_WORK_DAYS NUMBER(10),HWP_DAYS_OFF NUMBER(10),EXAM_ELIGIBILITY VARCHAR2(10));

70 INSERT INTO AD_STUDENT_ATTENDANCE VALUES(730,200,100,11,'Y');

71 INSERT INTO AD_STUDENT_ATTENDANCE VALUES(730,200,100,12,'Y');

72 INSERT INTO AD_STUDENT_ATTENDANCE VALUES(770,200,100,13,'Y');

73 INSERT INTO AD_STUDENT_ATTENDANCE VALUES(730,100,101,'Y');

74 SELECT* FROM AD_STUDENT_ATTENDANCE;

75

76 CREATE TABLE AD_STUDENT_COURSE_DETAILS(STUDENT_ID NUMBER(10),COURSE_ID NUMBER(4),GRADE VARCHAR2(4));

77 INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(730,190,'A');

78 INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(730,192,'A');

79 INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(730,194,'A');

80 INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(770,194,'A');

81 INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(730,190,'A');

82 INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(730,192,'C');

83 SELECT* FROM AD_STUDENT_COURSE_DETAILS;

Results

Explain

Describe

Saved SQL

History

ID

NAME

HEAD

in_b776_sql_s27

in_b776_sql_s27

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Oracle APEX 22.21

84

CREATE TABLE AD_STUDENT_ATTENDANCE(STUDENT_ID NUMBER(10),SESSION_ID NUMBER(10),HWP_WORK_DAYS NUMBER(10),HWP_DAYS_OFF NUMBER(10),EXAM_ELIGIBILITY VARCHAR2(10));

85 INSERT INTO AD_STUDENT_ATTENDANCE VALUES(730,200,100,11,'Y');

86 INSERT INTO AD_STUDENT_ATTENDANCE VALUES(730,200,100,12,'Y');

87 INSERT INTO AD_STUDENT_ATTENDANCE VALUES(770,200,100,13,'Y');

88 INSERT INTO AD_STUDENT_ATTENDANCE VALUES(730,100,101,'Y');

89 SELECT* FROM AD_STUDENT_ATTENDANCE;

90

91 CREATE TABLE AD_STUDENT_COURSE_DETAILS(STUDENT_ID NUMBER(10),COURSE_ID NUMBER(4),GRADE VARCHAR2(4));

92 INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(730,190,'A');

93 INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(730,192,'A');

94 INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(730,194,'A');

95 INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(770,194,'A');

96 INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(730,190,'A');

97 INSERT INTO AD_STUDENT_COURSE_DETAILS VALUES(730,192,'C');

98 SELECT* FROM AD_STUDENT_COURSE_DETAILS;

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The screenshot displays the Oracle APEX SQL Workshop interface. The top navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. The 'SQL Commands' tab is active, showing a list of SQL statements for creating and inserting data into tables. The 'Results' tab is selected, showing a table with columns 'ID', 'NAME', and 'HEAD'. The table is empty. The bottom status bar shows the user 'in_b776_sql_s27', the date '22-07-2024', and the time '07:57'.

SQL Commands:

```

90 INSERT INTO AD_FACULTY_COURSE_IN (FALLS, VALUE, (000,100,0));
91 INSERT INTO AD_FACULTY_COURSE_DETAILS VALUES(810,100,4);
92 SELECT* FROM AD_FACULTY_COURSE_DETAILS;
93
94 CREATE TABLE AD_FACULTY_LOGIN_DETAILS(FACULTY_ID NUMBER(10),LOGIN_DATE TIME TIMESTAMP);
95 INSERT INTO AD_FACULTY_LOGIN_DETAILS VALUES(800,'01-JUN-17 05:10:20.000PM');
96 INSERT INTO AD_FACULTY_LOGIN_DETAILS VALUES(800,'01-JUN-17 05:13:15.000PM');
97 INSERT INTO AD_FACULTY_LOGIN_DETAILS VALUES(810,'01-JUN-17 05:13:12.000PM');
98 INSERT INTO AD_FACULTY_LOGIN_DETAILS VALUES(820,'01-JUN-17 05:16:31.000PM');
99 SELECT* FROM AD_FACULTY_LOGIN_DETAILS;
100
101
102 ALTER TABLE AD_FACULTY_LOGIN_DETAILS ADD DETAILS VARCHAR2(40);
103 DESC AD_FACULTY_LOGIN_DETAILS;
104
105 CREATE TABLE copy_FAC_LOGIN AS (SELECT* FROM AD_FACULTY_LOGIN_DETAILS);
106 INSERT INTO copy_FAC_LOGIN VALUES(800,'01-JUN-17 05:10:20.000PM', 'ABCD001');
107 INSERT INTO copy_FAC_LOGIN VALUES(800,'01-JUN-17 05:13:15.000PM', 'XYZ');
108 SELECT*FROM copy_FAC_LOGIN;

```

Results:

ID	NAME	HEAD
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