6-3 : Defining Data Manipulation

create table AD\_ACADEMIC\_SESSIONS

(id number(5),

name varchar2(25),

constraint AD\_ACADEMIC\_SESSIONS\_PK primary key (ID)

);

create table AD\_DEPARTMENTS

(id number(5),

name varchar2(25),

head varchar2(25),

constraint AD\_DEPARTMENTS\_PK primary key (ID)

);

create table AD\_PARENT\_INFORMATION

( ID number(6),

PARENT1\_FN varchar2(14),

PARENT1\_LN varchar2(14),

PARENT2\_FN varchar2(14),

PARENT2\_LN varchar2(14),

constraint AD\_PARENT\_INFORMATION\_PK primary key (ID)

);

create table AD\_STUDENTS(

ID number(6),

FIRST\_NAME varchar2(15),

LAST\_NAME varchar2(15),

REG\_YEAR date,

EMAIL varchar2(26),

PARENT\_ID number(6),

constraint AD\_STUDENTS\_PK primary key (ID),

// constraint AD\_STUDENTS\_UK unique key (EMAIL),

constraint AD\_PARENT\_INFORMATION\_FK foreign key (PARENT\_ID) references AD\_PARENT\_INFORMATION(ID)

);

create table AD\_COURSES(

ID number(6),

NAME varchar2(15),

SESSION\_ID number(6),

DEPT\_ID number(6),

LOGON\_ID varchar2(15),

PASSWORD varchar2(15),

BUILDING varchar(15),

ROOM number(6),

DATE\_TIME date,

constraint AD\_COURSES\_PK primary key (ID),

constraint NAME\_uk unique(NAME)

);

create table AD\_FACULTY(

ID number(6),

FIRST\_NAME varchar2(15),

LAST\_NAME varchar2(15),

EMAIL varchar2(26),

salary number(8),

INSURANCE varchar2(35),

HOURLY\_RATE number(3),

DEPT\_ID number(6),

constraint AD\_FACULTY\_PK primary key (ID),

constraint EMAIL\_uk unique(EMAIL)

);

create table AD\_EXAM\_TYPES(

TYPE varchar2(5),

NAME varchar2(35),

DESCRIPTION varchar2(60),

constraint AD\_EXAM\_TYPES\_PK primary key (TYPE)

);

create table AD\_EXAMS(

ID number(6),

START\_DATE date,

EXAM\_TYPE varchar2(5),

COURSE\_ID number(6),

constraint AD\_EXAMS\_PK primary key (ID)

);

create table AD\_EXAM\_RESULTS(

STUDENT\_ID number(6),

COURSE\_ID number(6),

EXAM\_ID number(6),

EXAM\_GRADE number(6),

constraint AD\_EXAM\_RESULTS\_ID\_FK foreign key (STUDENT\_ID) references AD\_STUDENTS(ID),

constraint AD\_EXAM\_RESULTS\_IDD\_FK foreign key (COURSE\_ID) references AD\_COURSES(ID),

constraint AD\_EXAM\_RESULTS\_IDDD\_FK foreign key (EXAM\_ID) references AD\_EXAMS(ID)

);

create table AD\_STUDENT\_ATTENDANCE(

STUDENT\_ID number(6),

SESSION\_ID number(6),

NUM\_WORK\_DAYS number(6),

NUM\_DAYS\_OFF number(6),

EXAM\_ELIGIBILITY varchar(1),

constraint AD\_STUDENT\_ATTENDANCE\_FK foreign key (STUDENT\_ID) references AD\_STUDENTS(ID),

constraint AD\_STUDENT\_ATTENDANCE\_ID\_FK foreign key (SESSION\_ID) references AD\_ACADEMIC\_SESSIONS(ID)

);

create table AD\_STUDENT\_COURSE\_DETAILS(

STUDENT\_ID number(6),

COURSE\_ID number(6),

GRADE varchar(1),

constraint AD\_STUDENT\_COURSE\_DETAILS\_FK foreign key (STUDENT\_ID) references AD\_STUDENTS(ID),

constraint AD\_STUDENT\_COURSE\_DETAILSS\_FK foreign key (COURSE\_ID) references AD\_COURSES(ID)

);

create table AD\_FACULTY\_COURSE\_DETAILS(

FACULTY\_ID number(6),

COURSE\_ID number(6),

CONTACT\_HRS number(6),

constraint AD\_FACULTY\_COURSE\_DETAILS\_FK foreign key (FACULTY\_ID) references AD\_FACULTY(ID),

constraint AD\_FACULTY\_COURSE\_DETAILSS\_FK foreign key (COURSE\_ID) references AD\_COURSES(ID)

);

create table AD\_FACULTY\_LOGIN\_DETAILS(

FACULTY\_ID number(6),

LOGIN\_DATE\_TIME DATE DEFAULT SYSDATE not null,

constraint ADD\_FACULTY\_COURSE\_DETAILS\_FK foreign key (FACULTY\_ID) references AD\_FACULTY(ID)

);