

```

create table AVD_BRANCHES
(Branch_id number(3) constraint AVD_BRANCHES_BRANCH_ID_PK primary key,
Location varchar2(20) not null);

create table AVD_COURSES
(Course_id number(3) constraint AVD_COURSES_COURSE_ID_PK primary key,
Course_title varchar2(30) not null);

create table AVD_SUBJECTS
(Subject_id number(3) constraint AVD_SUBJECTS_SUBJECT_ID_PK primary key,
Subject_title varchar2(30) not null,
Course_id constraint AVD_SUBJECTS_COURSE_ID_FK
references
AVD_COURSES(Course_id));

create table AVD_Students
(Stud_id number (6) constraint AVD_STUDENTS_STUD_ID_PK primary key,
Sname varchar2(30) not null,
Gender char(1) not null constraint AVD_STUDENTS_GENDER_CK check( Gender in('M','F')),
Adm_date Date not null,
Course_id not null constraint AVD_STUDENTS_COURSE_ID_FK references AVD_COURSES(Course_id),
Branch_id not null constraint AVD_STUDENTS_BRANCH_ID_FK references AVD_BRANCHES(Branch_id),
Mail_id varchar2(25) not null constraint AVD_STUDENTS_MAIL_ID_UK Unique,
Phone number(10) not null constraint AVD_STUDENTS_PHONE_UK unique);

create table AVD_BATCHES
(Batch_id number(6) constraint AVD_BATCHES_BATCH_ID_PK primary key,
Commenced_date Date not null,
Branch_id not null constraint AVD_BATCHES_BRANCH_ID_FK references AVD_BRANCHES(Branch_id),
Course_id not null constraint AVD_BATCHES_COURSE_ID_FK references AVD_COURSES(Course_id));

create table AVD_STUD_BATCHES
(Batch_id constraint AVD_STUD_BATCHES_BATCH_ID_FK references AVD_BATCHES(Batch_id),
Stud_id not null constraint AVD_STUD_BATCHES_STUD_ID_FK references AVD_Students(Stud_id));

create table AVD_Exams
(Stud_id not null constraint AVD_EXAMS_STUD_ID_FK references AVD_Students(Stud_id),
Exam_date date not null,
Subject_id not null constraint AVD_EXAMS_SUBJECT_ID_FK references AVD_SUBJECTS(Subject_id),
marks number(3) not null constraint AVD_EXAMS_MARKS_CK check (marks >= -1 and marks <=100));
Commit;

```