Lab Manual 2

A. Data Definition Language

1. Create Database CLINIC
2. Create tables
   1.   Patients:
      - PatientID (Primary Key)
      - FirstName
      - LastName
      - Gender
      - Age
      - PhoneNumber
      - Address
   2.   Doctors:
      - DoctorID (Primary Key)
      - FirstName
      - LastName
      - Gender
      - DateOfBirth
      - PhoneNumber
      - Specialization
   3.   Appointments:
      - AppointmentID (Primary Key)
      - PatientID (Foreign Key referencing Patients)
      - DoctorID (Foreign Key referencing Doctors)
      - AppointmentDate
      - AppointmentTime

3. Add attributes email, fatherName and motherName in patients table.
4. Change the attribute motherName to amaKoNaam in patients table.
5. Remove fatherName and amaKoNaam attribute from patients table.

B. Data Manipulation Language

1. Insert 5 records in each table.
2. Change the age of patient with id 5, 8 and 20 to 25.
3. Remove all patients whose age is between 80 to 100.
4. Change the name to RAJ TAMANG, Gender to MALE and PhoneNumber to 9877734435 of doctorid 7.

Lab Manual 3

A. Data Definition Language

1. Create database INSTITUTE
2. Create tables
   Courses:
   >   CourseID (Primary Key)
   >   CourseName
   >   Description
   >   Duration
   >   Instructor
   >   Fee

   Students:
   >   StudentID (Primary Key)
   >   FirstName
   >   LastName
   >   Gender
   >   DateOfBirth
   >   PhoneNumber
   >   Email
   >   Address

   Enrollments:
   >   EnrollmentID (Primary Key)
   >   StudentID (Foreign Key referencing Students)
   >   CourseID (Foreign Key referencing Courses)
   >   EnrollmentDate

   Instructors:
   >   InstructorID (Primary Key)
   >   FirstName
   >   LastName
   >   PhoneNumber
   >   Email

   Classrooms:
   >   ClassroomID (Primary Key)
   >   Location
   >   Capacity

   Schedule:
   >   ScheduleID (Primary Key)
   >   CourseID (Foreign Key referencing Courses)
   >   InstructorID (Foreign Key referencing Instructors)
   >   ClassroomID (Foreign Key referencing Classrooms)
   >   StartTime
   >   EndTime
   >   DayOfWeek

3. Add attributes ACfacility, waterFacility, RoomBreadth and RoomHeight in classrooms table.
4. Remove attributes RoomBreadth, RoomHeight and waterFacility from classrooms table.
5. Change the attribute name ACfacility to ACorNot.
6. Change the attribute ACorNot data type to Boolean.

B. Data Manipulation Language

1. Insert 5 records in each table.
2. Change the course name to JAVA PROGRAMMING and fee to 50,000 of courseid 4.
3. Change the address of studentid 5, 2 and 9 to BUTWAL.
4. Delete all classrooms with capacity less than 50.
5. Delete all schedules of Saturday.