ASSIGNMENT ONE (30%)

- Create an empty database.
- Create tables for the relations below.
- Populate the tables with data.
- Create indexes as required.
- Create one or more triggers.
- Create one or more views.
- Create users and grant appropriate privileges.
- Create and execute frequently used queries on the database tables.

SUBMITTING YOUR ASSIGNMENT:

You are required to submit two scripts:

1. One that contains the MySQL code for the above create and Insert statements (Data Export).
2. One that contains all other operations:
   a. the list of frequently used queries on the database tables.
   b. Create Index statements.
   c. Create Trigger statements.
   d. Create View statements.
   e. Create Users and Grant Privileges statements.

DUE DATE: SUNDAY NOVEMBER 17TH AT 11PM.

Ward (wardID, wardName, wardType)

Primary Key wardID

Patient (patientID, fName, lName, street, town, county, contactNo, arriveDate, dischargeDate)

Primary Key patientID

Bed (bedNumber, bedType, wardID, patientID)

Primary Key bedNumber

Foreign Key wardID references Ward (wardID)

Foreign Key patientID references Patient (patientID)

Doctor (PPS, fName, lName, street, town, county, contactNo, hireDate, specialisation)

Primary Key PPS

Drug (drugID, drugName, manufacturer)

Primary Key drugID

Visit (visitID, patientID, PPS, date, time)

Primary Key visitID

Foreign Key patientID references Patient (patientID)

Foreign Key PPS references Doctor (PPS)

Prescription (visitID, drugID, dosageDetails)

Primary Key visitID, drugID

Foreign Key visitID references Visit (visitID)

Foreign Key drugID references Drug (drugID)

	Create (45)	Insert (10)	Users (15)	Queries (30)
Baseline	Database and tables	5 records in each table		Single table queries
Good	Database and tables; Indexes	10 records in some tables (Patient, Visit, Prescription)	Create 2 users	Single table queries; Aggregate functions; Order By
Excellent	Database and tables; Indexes; Views	15 records in some tables (Patient, Visit, Prescription)	Create 3+ users	Multi table queries; Aggregate functions; Order By; Group By
Outstanding	Database and tables; Indexes; Views; Triggers	20 records in some tables (Patient, Visit, Prescription)	Create 3+ users; Grant privileges	Multi table queries; Aggregate functions; Order By; Group By; Sub Queries