**DATABASE MANAGEMENT SYSTEM LAB EXAM**

**S5 CSE-A-03/03/22**

**BATCH 2- SET 1(Roll Nos-32,34,36,38,40,42,44,46,48,50,52,54,56,58,60,62)**

**Railway Reservation System**

1.Train Details

|  |  |  |
| --- | --- | --- |
| TrainName (Primary key) | TotalSeats | ReservedSeats |
| AA | 3 | 1 |
| BB | 2 | 0 |

2. ReservationStatus

|  |  |  |  |
| --- | --- | --- | --- |
| TrainName (foreign key) | SeatID | Reserved (y/n field) | CustomerName (Primary key) |
| AA | 1 | y | Sreekumar |
| AA | 2 | n | null |
| AA | 3 | n | null |
| BB | 1 | n | null |
| BB | 2 | n | null |

3.WaitingList

|  |  |  |
| --- | --- | --- |
| Sl No | CustomerName (Primary Key) | TrainName (foreign key) |
|  |  |  |

PL/SQL

1. Program to enter train details

Hints: a. Read TrainName, TotalSeats from keyboard. Set ReservedSeats to 0

b. Also make entries in the ReservationStatus table. Generate the SeatID field values as shown above. An entry ‘n’ in the reserved field means the seat is not reserved.

2. Program to reserve a seat

Hints: a. Read the CustomerName and TrainName from keyboard

b. if seats can be reserved, do possible modifications

otherwise enter the details into WaitingList

3. Program to Cancel a reservation

Hints: a. Read CustomerName and TrainName from keyboard and do modifications

b. Move the most suitable customer from the waiting list to the reservationstatus table, and display the information

**BATCH 2- SET 2(Roll Nos-33,35,37,39,41,43,45,47,49,51,53,55,57,59,61,63)**

**HOSPITAL MANAGEMENT SYSTEM**

Consider a hospital which keeps records of the details of patients. The tables are:

Patient(pid, pname, paddr)

Details(pid, disease, doctor\_name, admitted\_date, discharge, amt\_paid)

History(pid, pname, paddr, disease, doctor\_name, discharge\_date)

1. When the patient is admitted, his details are entered in first 2 tables with discharge as ”NO” and amt\_paid as null.
2. Write a program to do the following. When a patient is discharged, update the Details table and move his entry from Patients table to History table