**Doctor Management System**

**DML Functions**

1. Create a function that takes Doctor’s ID as input parameters and returns past appointments (hint: use getDate() function) **- (Dua Khan)**
2. Create a function that displays Prescription details written by the Doctor against a specific Appointment. Take AppointmentID as input parameter, returning Patient’s ID Patient’s Name, all the Lab Tests, Medicines and the Diagnosis written in the prescription with all the relevant necessary data. (Use inner joins) **- (Syeda Laiba)**
3. Create a function to view upcoming appointments, sort them by upcoming appointments in ascending order, with Patient’s Name, Day, and Appointment Number for the day (hint: appointment number can be extracted by using the count function for the same day or any other logic as convenient can be used). **– (Dua Khan)**
4. View Patient’s Medical History by taking Patient’s ID as input, also return previous Diagnoses of the Patient and active TreatmentPlan (hopefully this function would be made by Patient Module Team) **- (Syeda Laiba)**
5. Create a function that takes Doctor’s ID as input and returns list of Patients that have been treated by the Doctor during the month. **- (Syeda Laiba)**
6. Create a function that generates the total amount billed for the Patients for the month (use built-in sum() function against DoctorFeeBilling TotalAmount). **– (Dua Khan)**
7. Create a Doctor Detail function that returns all the relevant details of the Doctor. **– (done by Isam)**
8. Create a function to view slots unavailable for assignment for a particular shift (hint: use RoomNo, Day and Shift’s StartTime and EndTime to display the unavailability) **- (Syeda Laiba)**
9. Create a procedure to add a Doctor, which should have nested procedure that also assigns the shift to the doctor (but it should first check whether the shift is available or not, use the previous function for the help). **– (Dua Khan)**
10. Create a procedure that fills in all the relevant information for the PrescriptionDiagnosis, PrescriptionMedicine, Prescription tables, also generates receipt i.e DoctorFeeBilling and updates the Appointment Status to Treated (all in one Procedure, use nested procedures). **– (Dua Khan)**
11. Create a procedure that allows the Doctor to update an appointment’s status to ‘Did not show’. **- (Syeda Laiba)**
12. Create a function that takes DoctorID as input and returns the list of new Patients (considering they only have 1 prescription for the same doctor and that too in the current month) **- (Syeda Laiba)**