Programming Assign. Unit 1

* Doctor Relation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Doctor ID | First& LastName | Phone | Specialty | Specialty Number |
| Number | Text | Number | Text | Number |
| * Empty constraint, * This is the primary key | Null constraint | Null constraint | Null constraint | Null constraint |

* Degree: 5
* Primary key: Doctor ID
* Candidate keys: First& LasName,

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Doctor ID | Name | Phone | Email | Address | Added Date | Allergies | Doctor ID |
| Number | Text | Number | Text | Text | Date | Text | Number |
| * primary key * Empty | Null constraint | Null constraint | Null constraint | Null constraint | Null constraint | Null constraint | * Referential integrity constraint * **Doctor ID is**   a foreign key for doctor relationships; referential integrity constraint |

* Patient *Relation*
* Degree: 8
* Primary key: Patient ID
* Candidate keys: Name, Phone
* Appointment Relation

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Appointment  ID | Doctor ID | Patient ID | Appointment Date | Blood Pressure | Weight | Treatment Notes | Medicines |
| Number | Text | Number | Date | Text | Text | Text | Text |
| * Empty * This is the primary key | Doctor ID is a foreign key for doctor relationships; referential integrity constraint | * Referential integrity constraint * **The Patient relation can be accessed by the Patient ID.** | Null constraint | Null constraint | Null constraint | Null constraint | Null constraint |

* Degree: 8
* Primary key: Appointment ID
* Candidate keys: Doctor ID, Patient ID, Appointment Date