**DBMS Laboratory**

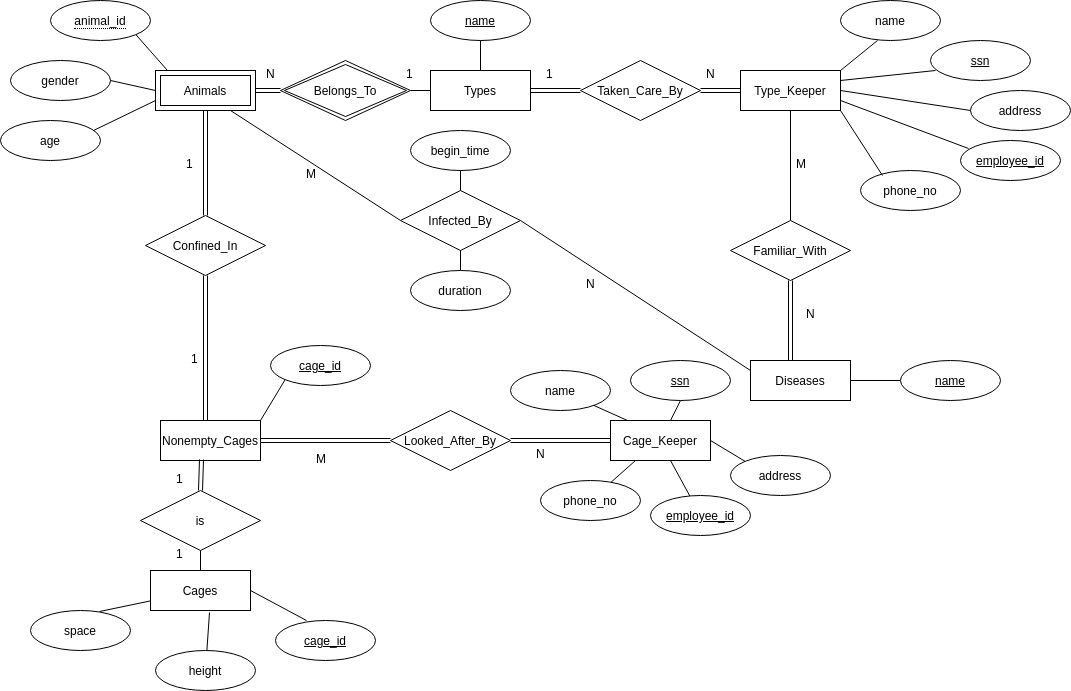
**UE19CS304**

**5th Semester, Academic Year 2021-22**

Week #: 3 - ER Diagrams, Relational Schema and Create Statements. Date: 19/9/2021

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| --- | --- | --- |
| Name :  SUMUKH RAJU BHAT | SRN :  PES1UG19CS519 | Section :  H |

1. ER Diagram for Zoo MiniWorld



Some of the assumptions made:

- Instead of normalizing Cage\_keeper and Type\_Keeper as one entity with one attribute set, they are designed as different entities.

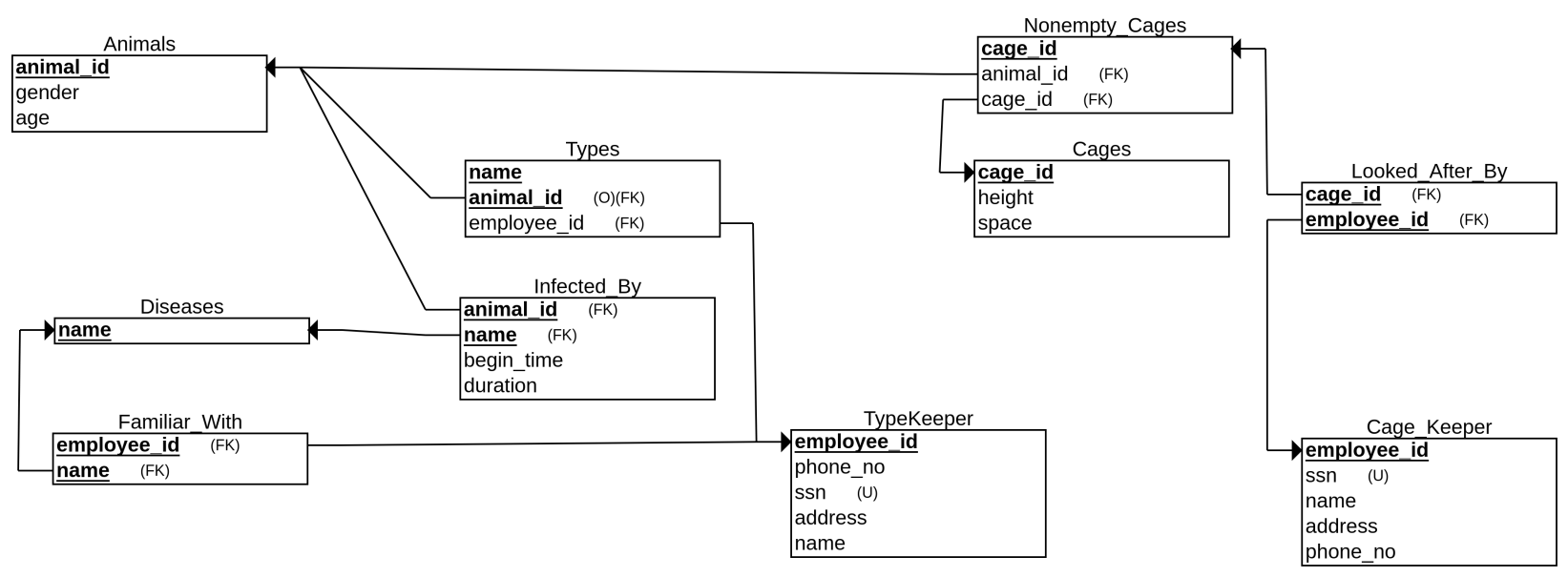
- It is assumed that 1 TypeKeeper can be familiar with many diseases and 1 disease is known to many TypeKeepers.

- It is also assumed that for every Cage\_keeper there is a cage assigned.

- It is also assumed that every type can have multiple animals, but every animal belongs to only one type.

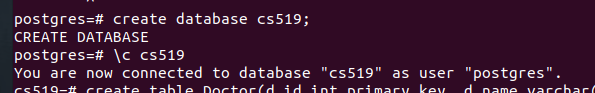
- Animal is a week entity w.r.t. types.

1. Relation Schema converted from ER Diagram of Zoo miniworld

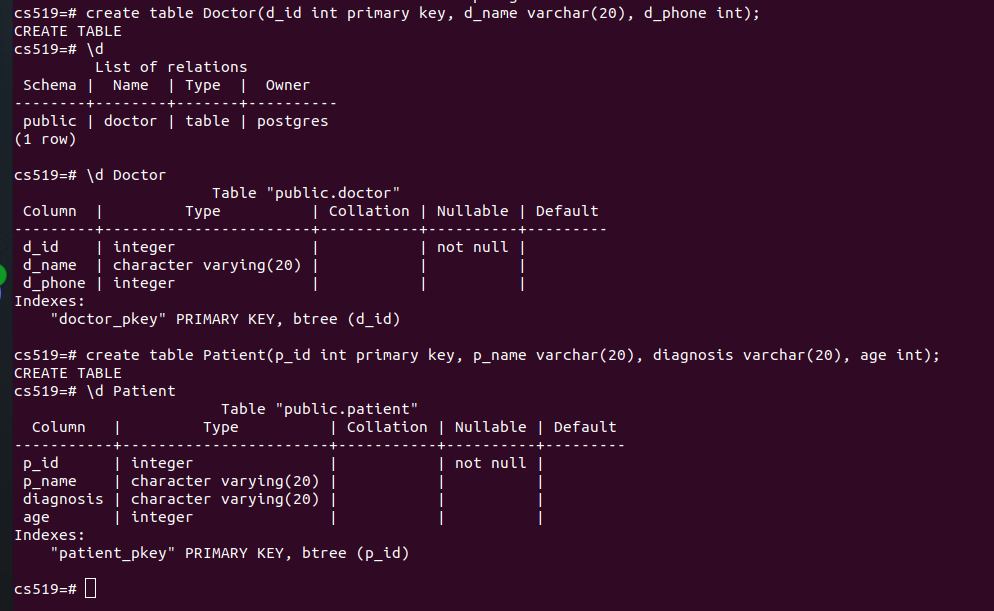


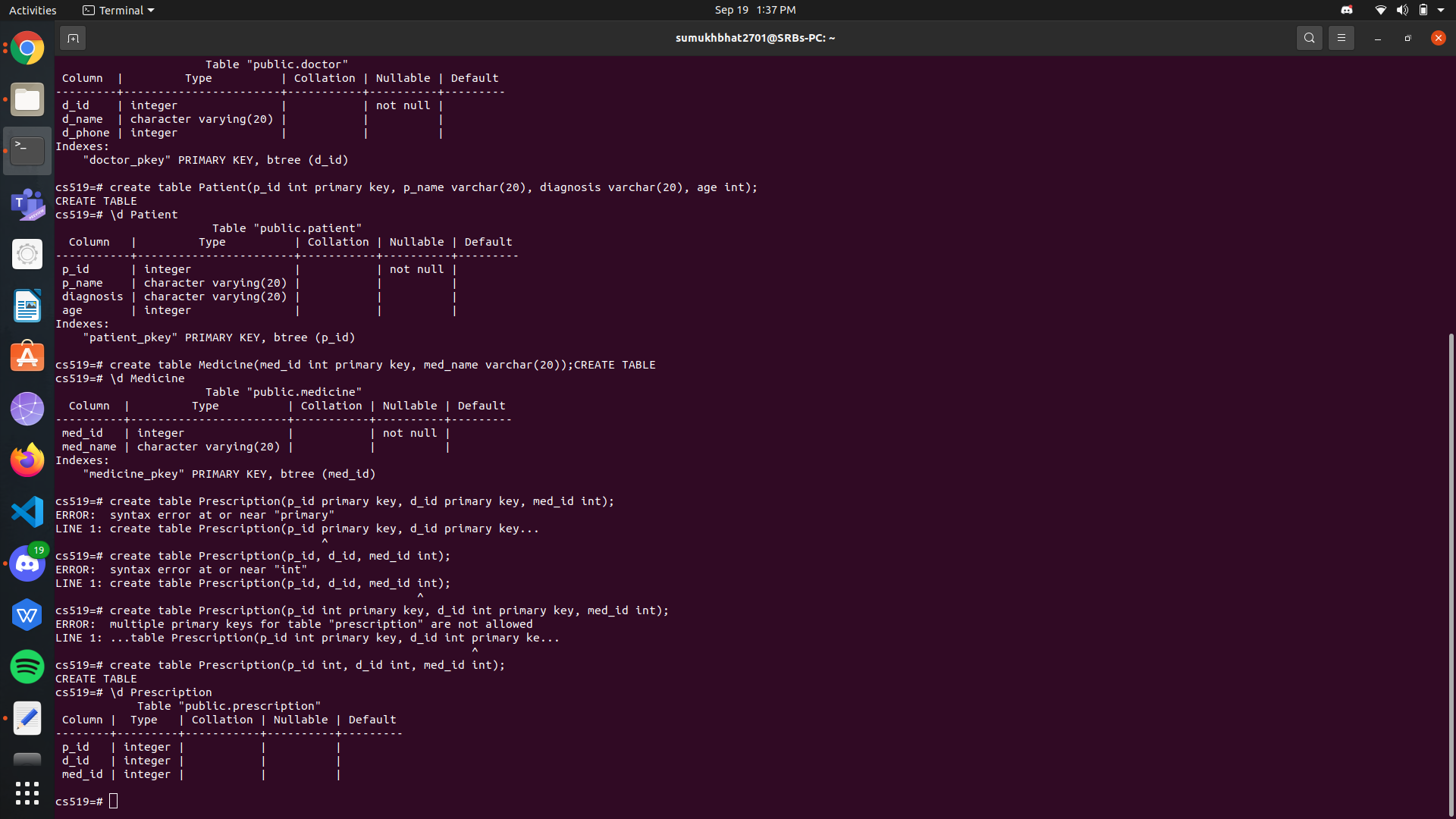
1. Create Statements

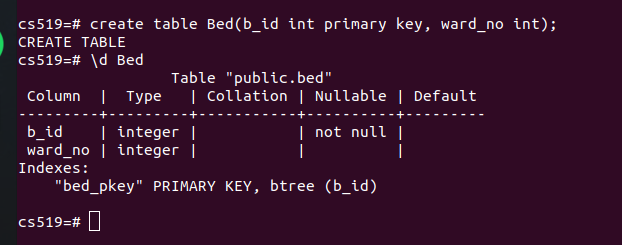
- Create Database named cs519

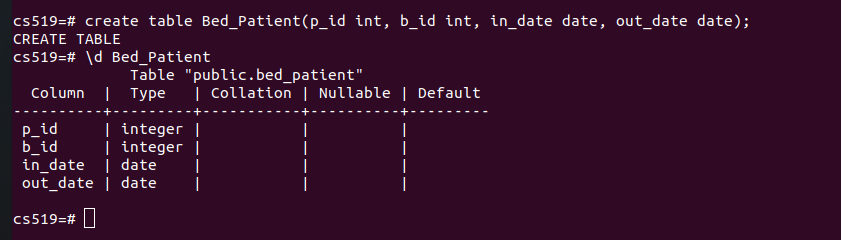


- Create given tables

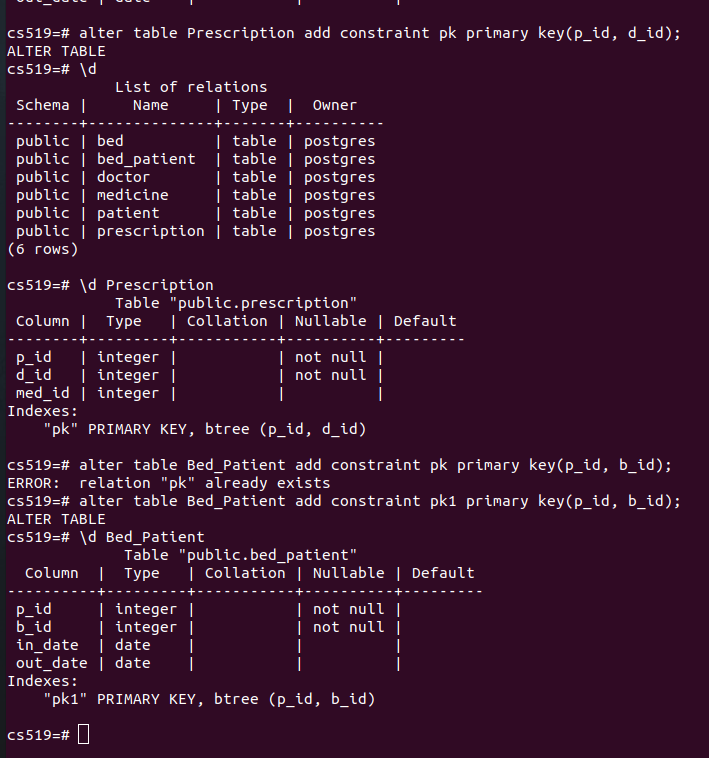




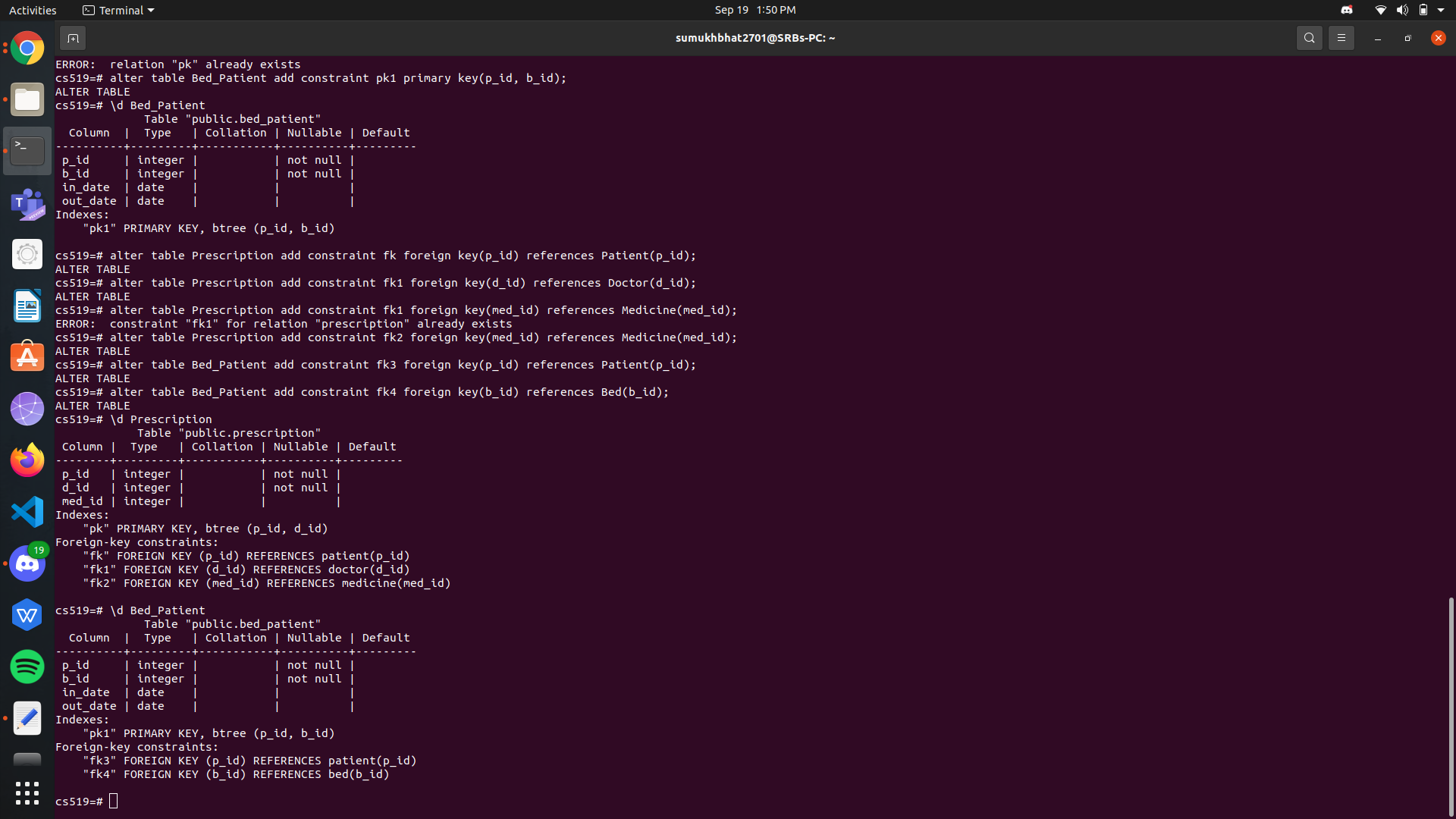




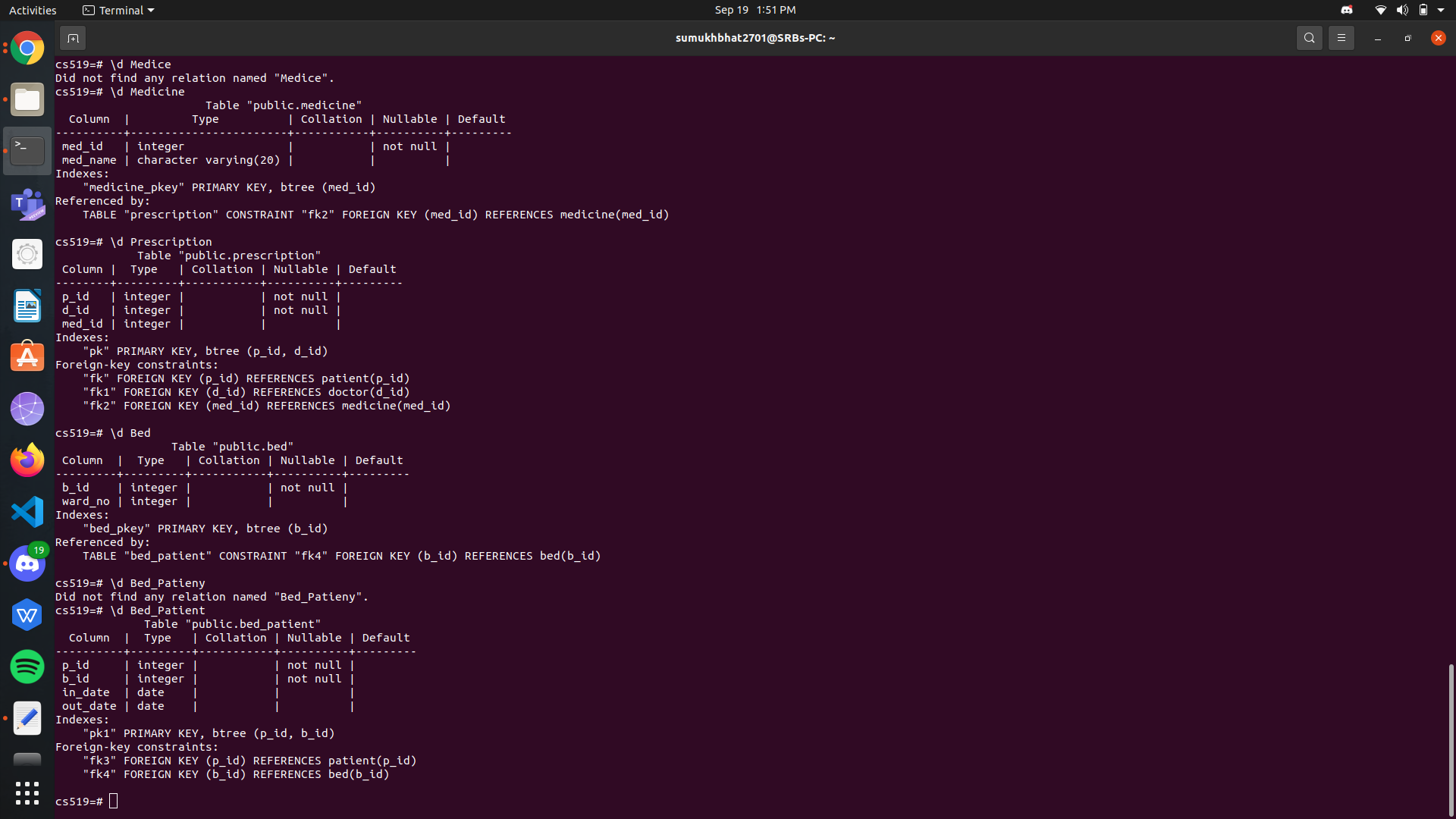
- Alter the constraints to set the primary keys of tables

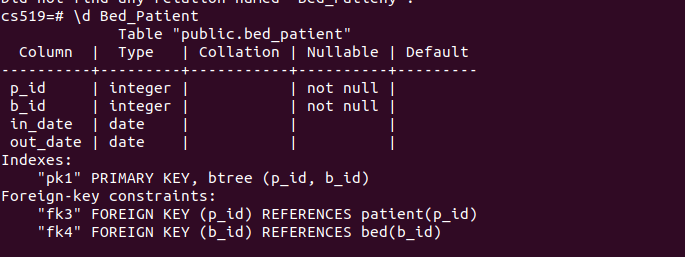


- Alter constraints to set foreign keys of tables



- Schemas after setting up tables





- Inserting 5 entries to each table

