1. Based on your own thought, identify the necessary entities, relations, attributes and draw an ER diagram for the Smart Hospital Management system. Assume that the hospital has multiple branches and all the data's are stored in online. (5)

2. Based on the above designed ER diagram, create a relational model with at least 3 tables and do some data manipulations on the respective tables with the necessary DDL and DML queries and display the output. (5)