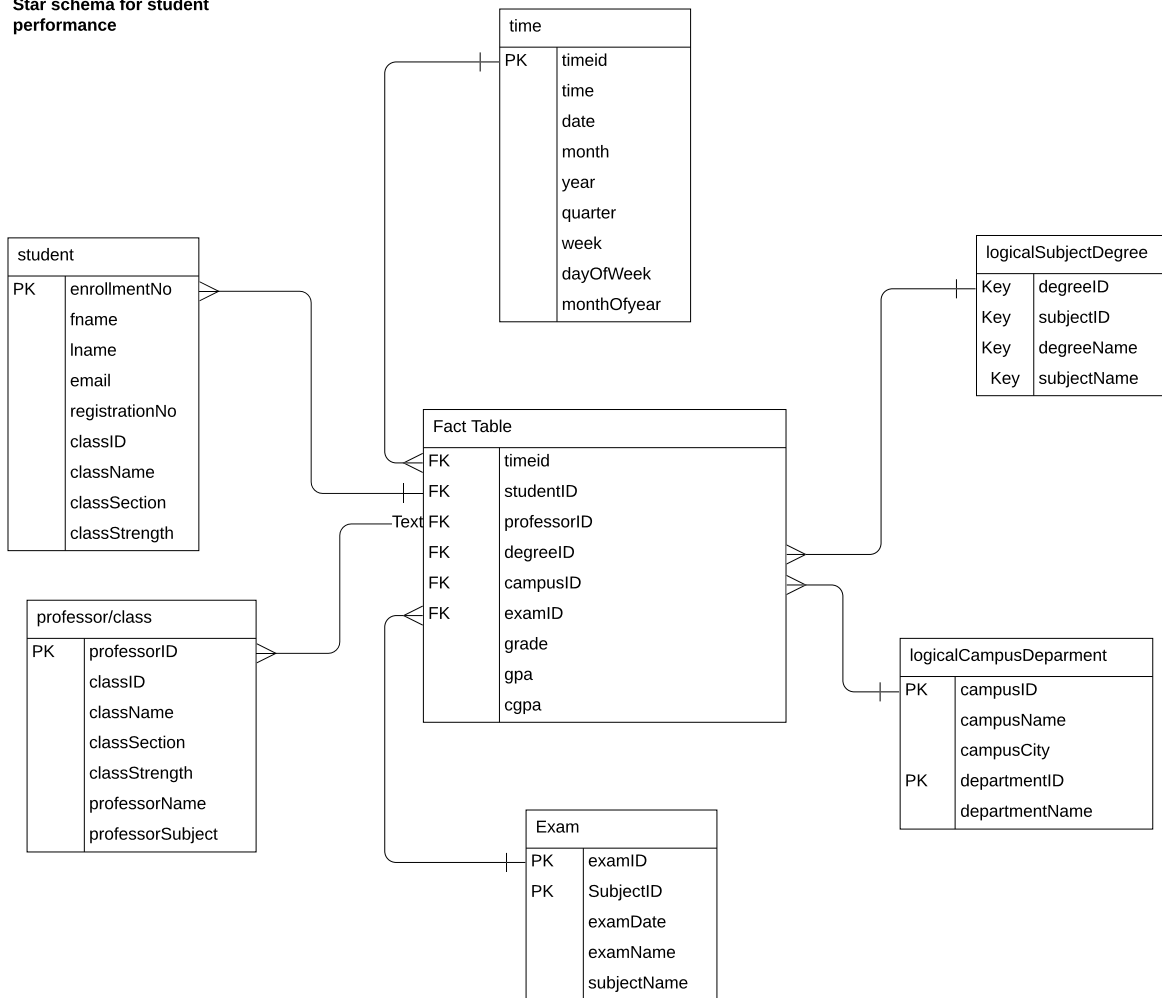


Advanced Data warehousing
Assignment # 2
Ahmed Rafiullah – 01-249182-003
MSDS-3A

Q1 (a). Bahria University Student Performance star schema

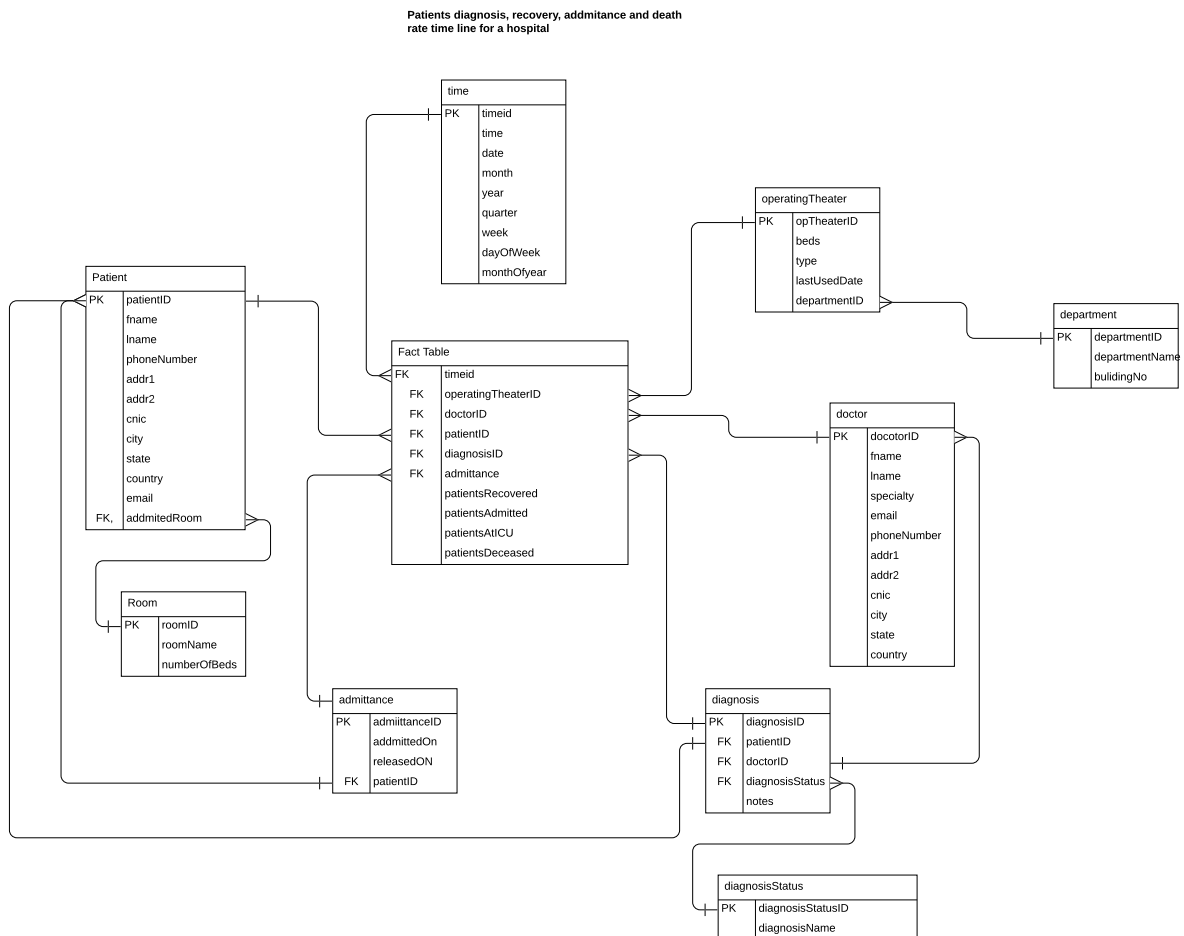
Star schema bahria university data warehouse

Star schema for student performance

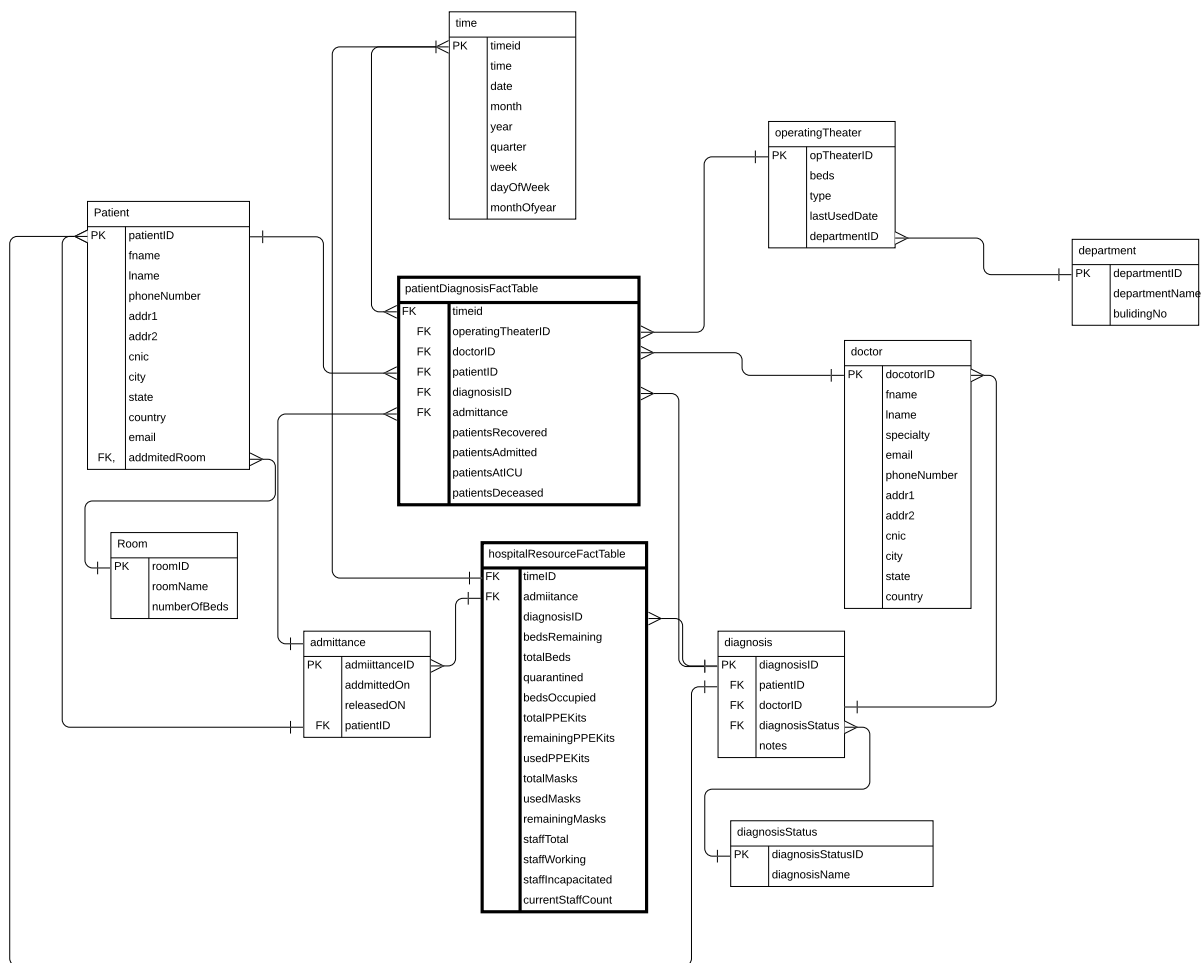


Q1 (b) : With this schema design the decision makers can track student performance over the course of their degree and can drill down to find places where improvements could be made. For example the decision maker can drill down to see time series trend report made possible by the inclusion of the time attribute table.

Q2 (a) Health care system snowflake schema



Q2 (a) Health care system constellation schema



Q2 (b) : With this schema design the decision makers can track patient diagnosis and recovery rates divided into by various dimensions like doctor who was performing the diagnosis, department, room the patient was admitted into and more. Using the time transaction table decision maker can make the right decision to allocate limited hospital resources in case of a pandemic like the corona virus.