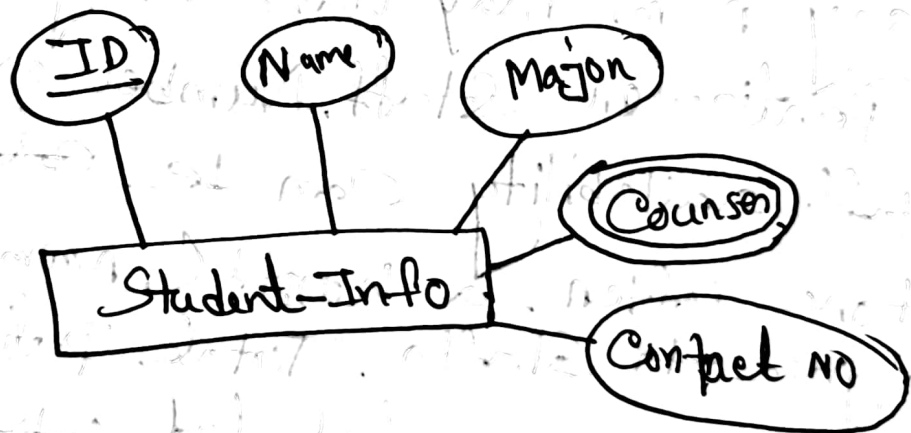Assignment-01

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Sec : 08

Ans. to the qus no: 01

A hospital is depends on number of Patient. which Every Patient have a unique Patient id, a certain deseases and certain treatment. Patient takes treatment from doctor. Many Patient can take treatment from one single doctor, but one or more doctor can give treatment to a single Patient. Doctor have a unique id, multiple Degree and a single schedule. Patient may book hospital room which have unique bed id number, room type and availability. There are two types of Room in a hospital. Hospital room assigned to one or more Staff. Every Staff have a unique id and name. Senior Staffs may supervised a junior Staffs. Hospital room number is comint of floor code and serial. The floor code denonetes which floor and which building.

Every Staff ~~works under~~ must works under Single on multiple doctors. Doctor ~~has~~ may have one on more child. A child have name and age. ~~A Hospital~~ room may have 1 on more ~~Patient~~. A hospital room may have no on may have 1 on more ~~members and~~ Staff in a room. Many rooms may have anigned to a Perticulen Staff. Number of Staff availability can be ~~calcula~~ Store after a hospital room anigned to Staffn. Total Patient also can be calculated while when a doctor give treatement to a Patient. Staffn has a average deuty time while they are working under a Perticulen doctor on in a hospital.

Entity-Relationship Diagram (Hospital Management System)

- **Patient** (entity) with attributes: Disease, Patient ID, Treatment
- **Hospital Room** (entity) with attributes: floor number, building number, floor code, Bed id, Room number, Senior nurse, Availability
- Patient —1— *may book* —n— Hospital Room
- Hospital Room —n— *may assigned to* —m— Staffs, with attribute: Number of staffs available
- Patient —n— *takes treatment* —m— Doctors, with attribute: total Patient
- **Doctors** (entity) with attributes: Doctor ID, schedule, Degree
- Doctors —n— *may work under* —m— Staffs
- **Staffs** (entity) with attributes: ID, Name, Average Duty time
- Staffs —n— *Supervised / Supervisor* —m— *Supervise*
- Doctors —n— *has* —m— Child
- **Child** (entity) with attributes: name, Age