



Department of Information Technology

Academic Year: 2022-23
Semester: III
Class / Branch: SE (IT)
Subject: SQL Lab
Name of Instructor: Prof. Charul Singh

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Student ID: 22204012
Date of Performance: 02/12/2022
Date of Submission: 02/12/2022

Experiment No. 1

Aim:- To study and design the different Entity Relationship (ER) model components

Software used: Dia Diagram Editor 0.97.2

Theory:-

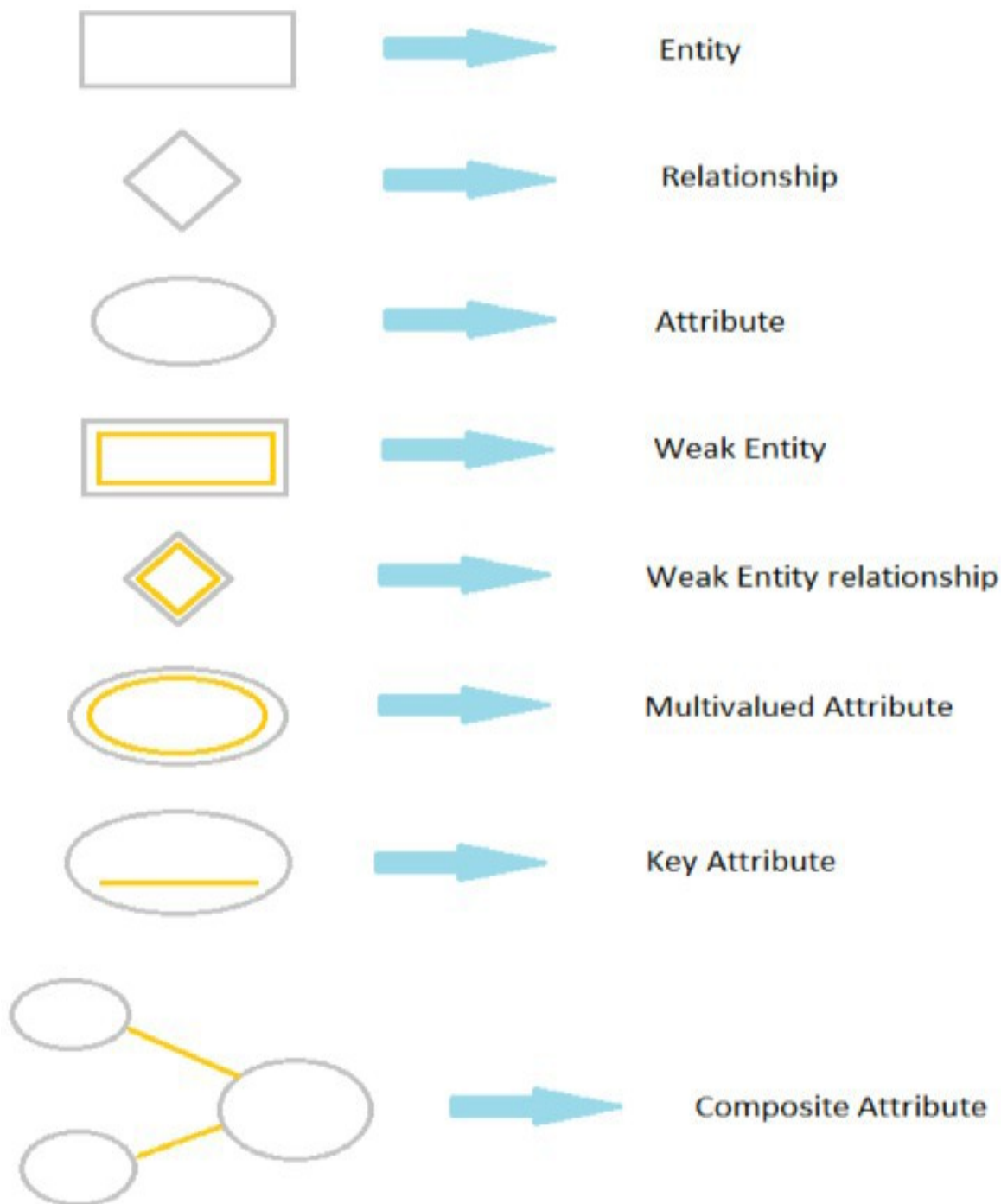
E-R Diagram

An ER model is composed of entity types and specifies relationships that can exist between instances of those entity types. An entity-relationship model is the result of using a systematic process to describe and define a subject area of business data. It does not define business process; only visualize business data. ER-Diagram is a visual representation of data that describes how data is related to each other.





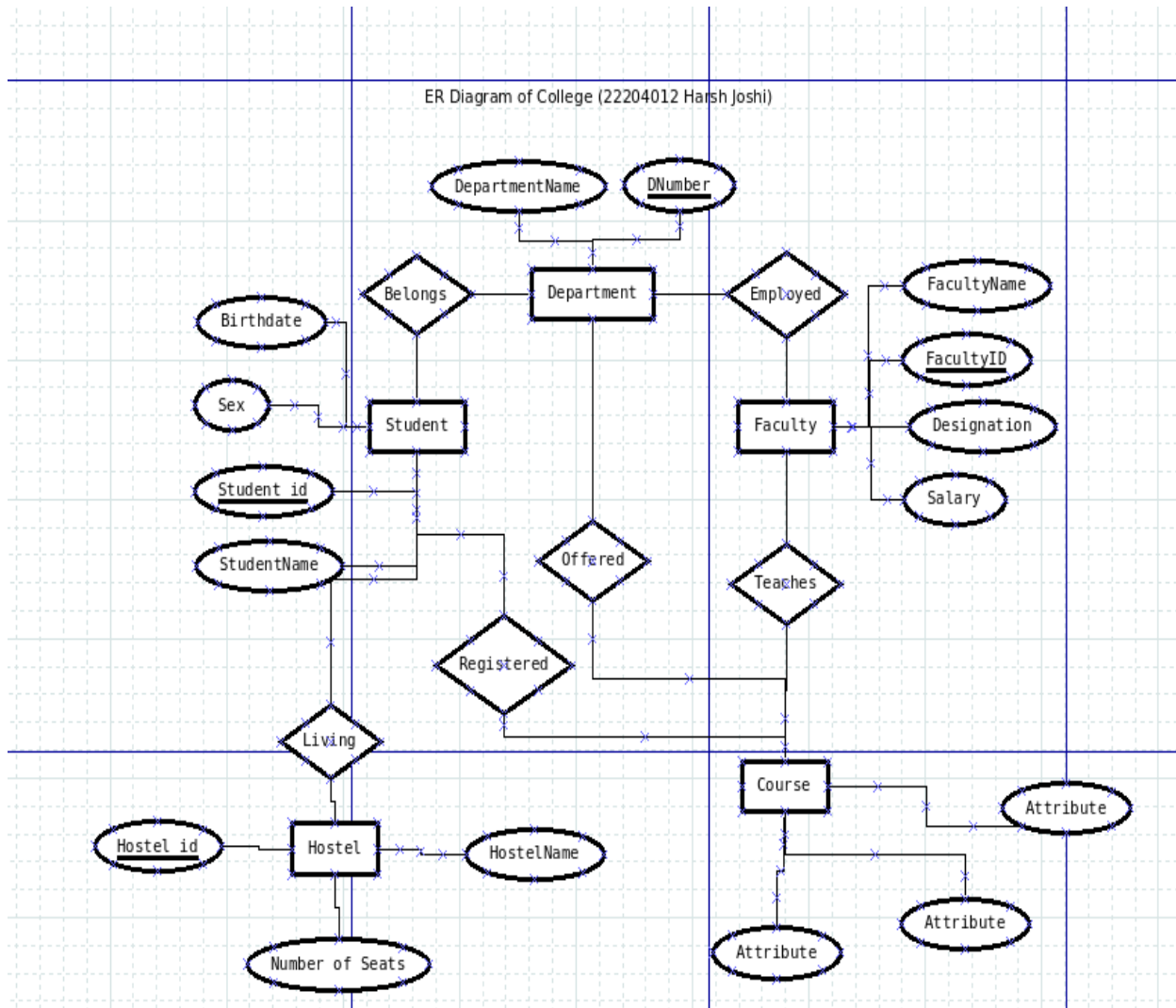
Symbols and Notations





Entity Relationship Diagram:

Draw an ER Diagram for College Administration Database



Conclusion: In this experiment we have studied Attributes, Entity, Relationship and other concepts of ER diagram.