Department of Computing Faculty of Engineering Sciences and Technology Hamdard University



WEB ENGINEERING

Lab 01

Course ID

Semester V (A)

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Q.1)Write a difference between super key and compoiste key?

A.1)

COMPOSITE KEY
A key that consists of two or more columns used together to uniquely identify a row.
Ensures uniqueness of a record by combining two or more columns.
Always a combination of two or more columns.
Must contain only the necessary columns that together provide uniqueness.
A composite key is a specific type of candidate key when multiple columns are required.

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Q.2) Create two tables & Identify following from these tables:
a) Candidate key
b) Primary key
c) Alternate key
d) Foreign Key
A.2)
create database lab01;
use lab01;
CREATE TABLE Students (
  StudentID INT PRIMARY KEY,
                                    -- Primary key -- Candidate key
  StudentName VARCHAR(100),
  Email VARCHAR(100) UNIQUE,
                                     -- Alternate key -- Candidate Key
  CourseID INT
                            -- Foreign key
CREATE TABLE Courses (
  CourseID INT PRIMARY KEY,
                                    -- Primary key -- Candidate Key
  CourseName VARCHAR(100),
  Instructor VARCHAR(100)
);
```