Database Management System
Class Notes

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Contents

Chapter 1 **Database Constraints** Page 2

1.1 Constraint 2

1.2 SQL Queries 2

Chapter 1

Database Constraints

1.1 Constraint

Following are the different constraint.

- Domain Constraint
  They derive valid points for the attributes.Can have complex onditions in domain check
- Referential Integrity
  Let $r_1(R_1) and r_2(R_2)$ be relationd with primary keys K_1 and K_2 respectively.

1.2 SQL Queries

- DROP DATABASE Bank
- CREATE DATABASE Kathmandu-University
- USE Bank
- CREATE TABLE **payscale** {
  PRIMARY KEY(position) NOT NULL AUTO INCREMENT INT,
  salary NUMBER,
  grade CHAR,
  }
- CREATE TABLE **teacher** {
  PRIMARY KEY (teacherid) INT NOT NULL AUTO INCREMENT,
  name char(50),
  grade CHAR(1),
  birthdate INT,
  position INT,
  foreign key position references payscale (**position**) }
- CREATE TABLE **class** {
  classscheduleno INT AUTOINCREMENT,
  salary INT,
  teacherid ID,
  roomno INT,
  }
- SELECT name from teacher