Kode SQL

create database Kuliah;

use database Kuliah;

create table krs (

- → id int not null,
- → mahasiswa_npm int (13) not null,
- → matakuliah_kodemk int (6) not null);

insert into krs (`id`, `mahasiswa_npm`, `matakuliah_kodemk`) values

- → (8, '29120001', '001'),
- → (9, '29120002', '002'),
- → (10, '29120003', '001'),
- → (11, '29120004', '003'),
- → (12, '29120005', '004'),
- → (13, '29120006', '001'),
- → (14, '29120007', '001'),
- → (15, '29120008', '002'),
- → (16, '29120009', '002'),
- → (17, '29120010', '003');

create table mahasiswa (

- → npm int (13) not null,
- → nama varchar (50) not null,
- → jurusan enum('Teknik Informatika','Sistem Informasi') not null,
- → alamat text not null);

insert into mahasiswa (`npm`, `nama`, `jurusan`, `alamat`) values

- → ('29120001', 'Siska Putri', 'Sistem Informasi', 'Medan'),
- → ('29120002', 'Ujang Aziz', 'Teknik Informatika', 'Bandung'),
- → ('29120003', 'Veronica Setyano', 'Teknik Informatika', 'Maluku'),
- → ('29120004', 'Rizka Nurmala Sari', 'Sistem Informasi', 'Cikarang'),
- → ('29120005', 'Eren Putra', 'Teknik Informatika', 'Brebes'),
- → ('29120006', 'Putra Abdul Rachman', 'Sistem Informasi', 'Yogyakarta'),
- → ('29120007', 'Rahmat Andriyadi', 'Teknik Informatika', 'Indramayu'),
- → ('29120008', 'Ayu Puspitasari', 'Teknik Informatika', 'Bekasi'),

- ➔ ('29120009', 'Putri Ayuni', 'Teknik Informatika', 'Jakarta'),
- ➔ ('29120010', 'Andri Muhammad', 'Teknik Informatika', 'Banten');

create table matakuliah (

- ➔ kodemk int (6) not null,
- ➔ nama varchar(50) not null,
- ➔ jumlah_sks int not null);

insert into matakuliah (`kodemk`, `nama`, `jumlah_sks`) values

- ➔ ('001', 'Basis Data', 3),
- ➔ ('002', 'Pemrograman Berbasis Web', 3),
- ➔ ('003', 'Algoritma dan Struktur Data', 3),
- ➔ ('004', 'Kajian Jurnal Informatika', 2);

alter table krs

- ➔ add primary key (id),
- ➔ add unique key mahasiwa (mahasiswa_npm),
- ➔ add key matakuliah (`matakuliah_kodemk`);

alter table mahasiswa

- ➔ add primary key (npm);

alter table matakuliah

- ➔ add primary key (kodemk);

alter table matakuliah

- ➔ add primary key (kodemk);

alter table krs

➜ modify id int not null auto_increment, auto_increment=18;

alter table krs

➜ add constraint krs_ibfk_1 foreign key (mahasiswa_npm)
➜ references mahasiswa (npm)
➜ on delete cascade on update cascade,
➜ add constraint krs_ibfk_2 foreign key (matakuliah_kodemk)
➜ references matakuliah (kodemk)
➜ on delete cascade on update cascade;