**Study Case Database SERU**

1. Tampilkan daftar siswa beserta kelas dan guru yang mengajar kelas tersebut

SELECT siswa.name AS Siswa, class.name AS Kelas, guru.name AS Guru

FROM [test\_employee].[dbo].students siswa

left join [test\_employee].[dbo].classes class on class.id=siswa.class\_id

left join [test\_employee].[dbo].teachers guru on class.teacher\_id=guru.id

1. Tampilkan daftar kelas yang diajar oleh guru yang sama

SELECT

kelas.name AS Kelas

FROM

classes kelas

JOIN

teachers guru ON guru.id = kelas.teacher\_id

GROUP BY

kelas.name

HAVING

COUNT(kelas.id) > 1;

1. Buat query view untuk siswa, kelas, dan guru yang mengajar

CREATE VIEW KelasDetailView AS

SELECT

s.name AS Siswa,

c.name AS Kelas,

t.name AS Guru

FROM

students s

JOIN

classes c ON s.class\_id = c.id

JOIN

teachers t ON c.teacher\_id = t.id;

1. Buat query yang sama tapi menggunakan store\_procedure

CREATE PROCEDURE GetStudentClassTeacherInfo

AS

BEGIN

SELECT

s.id AS student\_id,

s.name AS student\_name,

s.age AS student\_age,

c.id AS class\_id,

c.name AS class\_name,

t.id AS teacher\_id,

t.name AS teacher\_name,

t.subject AS teacher\_subject

FROM

students s

JOIN classes c ON s.class\_id = c.id

JOIN teachers t ON c.teacher\_id = t.id;

END;

1. Buat query input, yang akan memberikan warning error jika ada data yang sama pernah masuk

CREATE PROCEDURE InsertStudent @name VARCHAR(100), @age INT, @class\_id INT

AS

BEGIN

IF EXISTS (SELECT 1 FROM students WHERE name = @name AND class\_id = @class\_id)

BEGIN

RAISERROR ('Nama Siswa Telah Terdaftar');

END ELSE

BEGIN

INSERT INTO students (name, age, class\_id) VALUES (@name, @age, @class\_id);

PRINT 'Siswa Berhasil Di Input';

END

END;