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INSERT

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1))

INSERT INTO `student\_details`

(`student\_rollno`, `student\_firstname`, `student\_lastname`, `student\_email`, `student\_contactno`, `student\_address`,

`student\_city`, `student\_state`, `student\_country`)

VALUES ('1','Patel','Zalak','zupatel14@gmail.com','8780359562','sector-14','Gandhinagar','Gujarat','India')

2))INSERT INTO `student\_details`

(`student\_firstname`, `student\_lastname`, `student\_email`, `student\_contactno`, `student\_address`,`student\_city`, `student\_state`, `student\_country`)

VALUES ('Patel','Krisha','krisha@gmail.com','9852364175','sector-2','Gandhinagar','Gujarat','India')

3))INSERT INTO `student\_details`

(`student\_firstname`, `student\_lastname`, `student\_email`, `student\_contactno`, `student\_address`,`student\_city`, `student\_state`, `student\_country`)

VALUES ('Prajapati','Jinal','jinu1@gmail.com','7990356385','sector-8','Gandhinagar','Gujarat','India')

4))INSERT INTO `student\_details`

(`student\_firstname`, `student\_lastname`, `student\_email`, `student\_contactno`, `student\_address`,`student\_city`, `student\_state`, `student\_country`)

VALUES ('Thakkar','Janvi','janu@gmail.com','7852369410','Sarkhej','Ahmedabad','Gujarat','India')

5))INSERT INTO `student\_details`

(`student\_firstname`, `student\_lastname`, `student\_email`, `student\_contactno`, `student\_address`,`student\_city`, `student\_state`, `student\_country`)

VALUES ('Shah','Rajvi','raj@gmail.com','7563214890','borivali','Mumbai','Maharastra','India')

6))INSERT INTO `student\_details`

(`student\_firstname`, `student\_lastname`, `student\_email`, `student\_contactno`, `student\_address`,`student\_city`, `student\_state`, `student\_country`)

VALUES ('Patil','Niyati','niy@gmail.com','6895231470','pink city','Jodhpur','Rajasthan','India')

7))INSERT INTO `student\_details`

(`student\_firstname`, `student\_lastname`, `student\_email`, `student\_contactno`, `student\_address`,`student\_city`, `student\_state`, `student\_country`)

VALUES ('Gajjar','Anamika','anu@gmail.com','7852369415','gota','Ahmedabad','Gujarat','India')

8))INSERT INTO `student\_details`

(`student\_firstname`, `student\_lastname`, `student\_email`, `student\_contactno`, `student\_address`,`student\_city`, `student\_state`, `student\_country`)

VALUES ('Thakor','Rahi','rahi@gmail.com','9852364716','Aanandnagar','Osaka','Tokyo','Japan')

9))INSERT INTO `student\_details`

(`student\_firstname`, `student\_lastname`, `student\_email`, `student\_contactno`, `student\_address`,`student\_city`, `student\_state`, `student\_country`)

VALUES ('Raval','Shivani','shiv@gmail.com','8563412078','New york','New york','New york','USA')

10))INSERT INTO `student\_details`

(`student\_firstname`, `student\_lastname`, `student\_email`, `student\_contactno`, `student\_address`,`student\_city`, `student\_state`, `student\_country`)

VALUES ('Aydem','Alara','al@gmail.com','6238147530','istanbul city','Istanbul','Istanbul','Turkey')

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DELETE

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DELETE FROM `student\_details` WHERE student\_rollno=6

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UPDATE

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UPDATE `student\_details` SET `student\_firstname`='Patel' WHERE `student\_firstname`='Patil'

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JOIN

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CREATE TABLE Student (

id int PRIMARY KEY IDENTITY,

admission\_no varchar(45) NOT NULL,

first\_name varchar(45) NOT NULL,

last\_name varchar(45) NOT NULL,

age int,

city varchar(25) NOT NULL

);

INSERT INTO Student (admission\_no, first\_name, last\_name, age, city)

VALUES (3354,'Luisa', 'Evans', 13, 'Texas'),

(2135, 'Paul', 'Ward', 15, 'Alaska'),

(4321, 'Peter', 'Bennett', 14, 'California'),

(4213,'Carlos', 'Patterson', 17, 'New York'),

(5112, 'Rose', 'Huges', 16, 'Florida'),

(6113, 'Marielia', 'Simmons', 15, 'Arizona'),

(7555,'Antonio', 'Butler', 14, 'New York'),

(8345, 'Diego', 'Cox', 13, 'California');

CREATE TABLE Fee (

admission\_no varchar(45) NOT NULL,

course varchar(45) NOT NULL,

amount\_paid int,

);

INSERT INTO Fee (admission\_no, course, amount\_paid)

VALUES (3354,'Java', 20000),

(7555, 'Android', 22000),

(4321, 'Python', 18000),

(8345,'SQL', 15000),

(5112, 'Machine Learning', 30000);

INNER join:

SELECT Student.admission\_no, Student.first\_name, Student.last\_name, Fee.course, Fee.amount\_paid

FROM Student

INNER JOIN Fee

ON Student.admission\_no = Fee.admission\_no;

self join

SELECT S1.first\_name, S2.last\_name, S2.city

FROM Student S1, Student S2

WHERE S1.id <> S2.iD AND S1.city = S2.city

ORDER BY S2.city;

Cross join

SELECT Student.admission\_no, Student.first\_name, Student.last\_name, Fee.course, Fee.amount\_paid

FROM Student

CROSS JOIN Fee

WHERE Student.admission\_no = Fee.admission\_no;

OUTER JOIN:

LEFT OUTER:

SELECT Student.admission\_no, Student.first\_name, Student.last\_name, Fee.course, Fee.amount\_paid

FROM Student

LEFT OUTER JOIN Fee

ON Student.admission\_no = Fee.admission\_no;

RIGHT Outer

SELECT Student.admission\_no, Student.first\_name, Student.last\_name, Fee.course, Fee.amount\_paid

FROM Student

RIGHT OUTER JOIN Fee

ON Student.admission\_no = Fee.admission\_no;

full Outer

SELECT Student.admission\_no, Student.first\_name, Student.last\_name, Fee.course, Fee.amount\_paid

FROM Student

FULL OUTER JOIN Fee

ON Student.admission\_no = Fee.admission\_no;