

JOIN, INNER JOIN AND LEFT JOIN



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- 1. Perform and demonstrate the cross-join between the student and course table.
- SELECT STUDENTID, FIRSTNAME, COURSEID, COURSETITLE

FROM STUDENT

CROSS JOIN COURSE;

-> FROM S			courseID, Cour	seTitle
studentID	FirstName	courseID	CourseTitle	
5	Satya	1	PHP	
j 4 j	jhansi	1	PHP	
j 2 j	satya	1	PHP	
1	jagadeesh	1	PHP	
5	Satya	2	REACT	
4	jhansi	2	REACT	
2	satya	2	REACT	
1	jagadeesh	2	REACT	
5	Satya	3	JAVASCRIPT	
4	jhansi	3	JAVASCRIPT	
2	satya	3	JAVASCRIPT	
1	jagadeesh	3	JAVASCRIPT	
5	Satya	4	CSS	
4	jhansi	4	CSS	
2	satya	4	CSS	
1	jagadeesh	4	CSS	
5	Satya	5	HTML	
4	jhansi	5	HTML	
2	satya	5	HTML	
1	jagadeesh	5	HTML	
+	et (0.00 sec))	+===+	

2. Perform and demonstrate the inner join on student and score table based on common id.

SELECT STUDENT.STUDENTID,

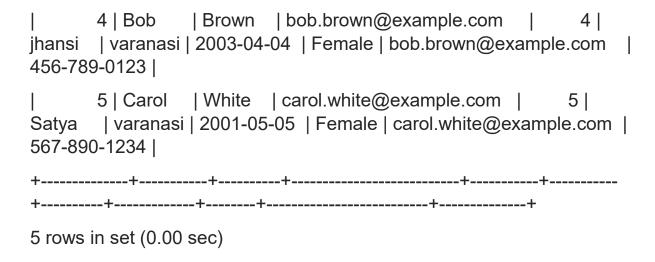
STUDENT.FIRSTNAME, SCORE.CREDITOBTAINED FROM STUDENT INNER JOIN SCORE ON STUDENT.STUDENTID=SCOREID:

3. perform and demonstrate the left join instructor and student based on common id.

```
INSERT INTO Instructor (FirstName, LastName, Email) VALUES ('siri', 'rani', 'siri.doe@example.com'), ('dummy', 'Smith', 'jane.smith@example.com'), ('Alice', 'Johnson', 'alice.johnson@example.com'), ('Bob', 'Brown', 'bob.brown@example.com'), ('Carol', 'White', 'carol.white@example.com');
```

```
nysql> INSERT INTO Instructor (FirstName, LastName, Email)
    -> values
    -> ('siri', 'rani', 'siri.doe@example.com'),
    -> ('dummy', 'Smith', 'jane.smith@example.com'),
    -> ('Alice', 'Johnson', 'alice.johnson@example.com'),
    -> ('Bob', 'Brown', 'bob.brown@example.com'),
    -> ('Carol', 'White', 'carol.white@example.com');
Query OK, 5 rows affected (0.29 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

SELECT * FROM Instructor LEFT JOIN Student ON Instructor.InstructorID = Student.StudentID; mysql> select * from Instructor -> left join student on Instructor.InstructorID= student.studentID; +-----+ | InstructorID | FirstName | LastName | Email | studentID | FirstName | LastName | DateOfBirth | Gender | Email Phone 1 | siri | rani | siri.doe@example.com | jagadeesh | kola | 2004-01-01 | Male | john.doe@example.com | 123-456-7890 | 2 | dummy | Smith | jane.smith@example.com | 2 | satya | mahesh | 2005-02-02 | Male | satya mahesh@example.com | 234-567-8901 | 3 | Alice | Johnson | alice.johnson@example.com | NULL | NULL | NULL | NULL | NULL | NULL NULL



InstructorID	FirstName	LastName	Email 	studentID	FirstName	LastNam
1	siri	rani	siri.doe@example.com	1	jagadeesh	 kola
2	dummy	Smith	jane.smith@example.com	2	satya	mahesh
3	Alice	Johnson	alice.johnson@example.com	NULL	NULL	NULL
4	Bob	Brown	bob.brown@example.com	4	jhansi	varanas
5	Carol	White	carol.white@example.com	5	Satya	varanas

nstructorID	FirstName	LastName	Email	studentID	FirstName	LastName	DateOfBirth	Gender	Email	Phone
1	siri	rani	siri.doe@example.com	1	jagadeesh	kola	2004-01-01	Male	john.doe@example.com	123-456-789
2	dummy	Smith	jane.smith@example.com	2	satya	mahesh	2005-02-02	Male	satya_mahesh@example.com	234-567-890
3	Alice	Johnson	alice.johnson@example.com	NULL	NULL	NULL	NULL	NULL	NULL	NULL
4	Bob	Brown	bob.brown@example.com	4	jhansi	varanasi	2003-04-04	Female	bob.brown@example.com	456-789-01:
5	Carol	White	carol.white@example.com	j 5	Satva	varanasi	2001-05-05	Female	carol.white@example.com	567-890-123