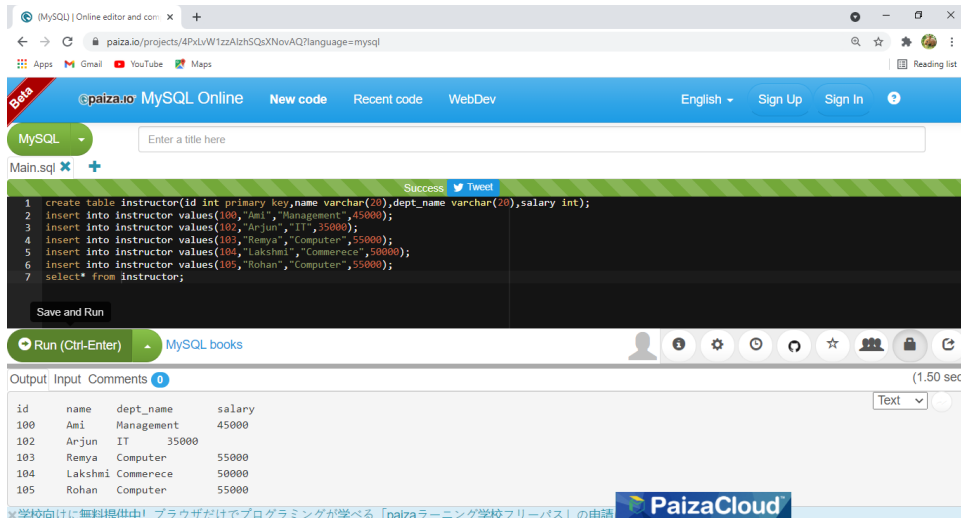


Outer Join

Create a table instructor(id,name,dept_name,salary) and other table teachers(id,course_id)and performe the following outer join functions

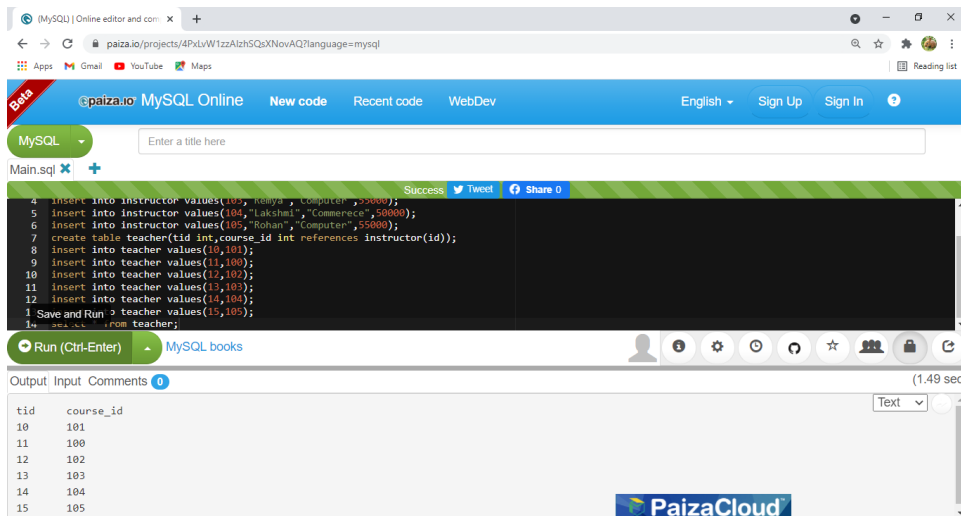


The screenshot shows the MySQL Online editor interface. The code editor contains the following SQL statements:

```
1 create table instructor(id int primary key,name varchar(20),dept_name varchar(20),salary int);
2 insert into instructor values(100,"Ami","Management",45000);
3 insert into instructor values(102,"Anjun","IT",35000);
4 insert into instructor values(103,"Remya","Computer",55000);
5 insert into instructor values(104,"Lakshmi","Commerce",50000);
6 insert into instructor values(105,"Rohan","Computer",55000);
7 select* from instructor;
```

The output window displays the result of the SELECT statement:

id	name	dept_name	salary
100	Ami	Management	45000
102	Anjun	IT	35000
103	Remya	Computer	55000
104	Lakshmi	Commerce	50000
105	Rohan	Computer	55000



The screenshot shows the MySQL Online editor interface. The code editor contains the following SQL statements:

```
4 insert into instructor values(105,"Remya","Computer",55000);
5 insert into instructor values(104,"Lakshmi","Commerce",50000);
6 insert into instructor values(105,"Rohan","Computer",55000);
7 create table teacher(tid int,course_id int references instructor(id));
8 insert into teacher values(10,101);
9 insert into teacher values(11,100);
10 insert into teacher values(12,102);
11 insert into teacher values(13,103);
12 insert into teacher values(14,104);
13 insert into teacher values(15,105);
14 Save and Run > teacher;
```

The output window displays the result of the SELECT statement:

tid	course_id
10	101
11	100
12	102
13	103
14	104
15	105

Left outer join

paiza.io MySQL Online

MySQL

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Main.sql

```
6 insert into instructor values(105, 'Rohan', 'Computer', 55000);
7 create table teacher(tid int, course_id int references instructor(id));
8 insert into teacher values(10, 101);
9 insert into teacher values(11, 100);
10 insert into teacher values(12, 102);
11 insert into teacher values(13, 103);
12 insert into teacher values(14, 104);
13 insert into teacher values(15, 105);
14 select id, tid, name, dept_name from instructor
15 join teacher
16 on instructor.id=teacher.course_id;
```

Run (Ctrl-Enter) MySQL books

Output Input Comments 0 (1.53 sec)

id	tid	name	dept_name
100	11	Ami	Management
102	12	Arjun	IT
103	13	Remya	Computer
104	14	Lakshmi	Commerce
105	15	Rohan	Computer

PaizaCloud

Right outer join

paiza.io MySQL Online

MySQL

Enter a title here

Main.sql

```
6 insert into instructor values(105, 'Rohan', 'Computer', 55000);
7 create table teacher(tid int, course_id int references instructor(id));
8 insert into teacher values(10, 101);
9 insert into teacher values(11, 100);
10 insert into teacher values(12, 102);
11 insert into teacher values(13, 103);
12 insert into teacher values(14, 104);
13 insert into teacher values(15, 105);
14 select id, tid, name, salary from instructor
15 right join teacher
16 on instructor.id=teacher.course_id;
```

Run (Ctrl-Enter) MySQL books

Output Input Comments 0 (1.49 sec)

id	tid	name	salary
NULL	10	NULL	NULL
100	11	Ami	45000
102	12	Arjun	35000
103	13	Remya	55000
104	14	Lakshmi	50000
105	15	Rohan	55000

PaizaCloud

Full outer join

MySQL | Online editor and com... x

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MySQL Enter a title here

Main.sql

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```
6 insert into instructor values(100, 'Rohan', 'Computer', 55000);
7 create table teacher(tid int, course_id int references instructor(id));
8 insert into teacher values(10,101);
9 insert into teacher values(11,100);
10 insert into teacher values(12,102);
11 insert into teacher values(13,103);
12 insert into teacher values(14,104);
13 insert into teacher values(15,105);
14 select * from instructor
15 join teacher
16 on instructor .id=teacher.course_id;
```

Run (Ctrl-Enter) MySQL books

Output Input Comments 0 (1.53 sec)

id	name	dept_name	salary	tid	course_id
100	Ami	Management	45000	11	100
102	Arjun	IT	35000	12	102
103	Remya	Computer	55000	13	103
104	Lakshmi	Commerce	50000	14	104
105	Rohan	Computer	55000	15	105

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