

CS313 - LAB 2

Q1. Submit the solution of Part A Question 2 from lab 2 worksheet.

Query :

```
create view Shankar as SELECT * FROM STUDENT, department
```

```
WHERE STUDENT.dept_name = department.dept_name AND name='Shankar';
```

```
select * from takes inner join Shankar on takes.id = Shankar.id;
```

```
select * from course inner join Shankar on course.dept_name = Shankar.dept_name;
```

ID	course_id	sec_id	semester	year	grade	ID	name	dept_name	tot_cred	dept_name:1 building	budget
12345	CS-101	1	Fall	2017	C	12345	Shankar	Comp. Sci.	32	Comp. Sci. Taylor	100000
12345	CS-190	2	Spring	2017	A	12345	Shankar	Comp. Sci.	32	Comp. Sci. Taylor	100000
12345	CS-315	1	Spring	2018	A	12345	Shankar	Comp. Sci.	32	Comp. Sci. Taylor	100000
12345	CS-347	1	Fall	2017	A	12345	Shankar	Comp. Sci.	32	Comp. Sci. Taylor	100000

course_id	title	dept_name	credits	ID	name	dept_name	tot_cred	dept_name:1 building	budget
CS-101	Intro. to Computer Science	Comp. Sci.	4	12345	Shankar	Comp. Sci.	32	Comp. Sci. Taylor	100000
CS-190	Game Design	Comp. Sci.	4	12345	Shankar	Comp. Sci.	32	Comp. Sci. Taylor	100000
CS-315	Robotics	Comp. Sci.	3	12345	Shankar	Comp. Sci.	32	Comp. Sci. Taylor	100000
CS-319	Image Processing	Comp. Sci.	3	12345	Shankar	Comp. Sci.	32	Comp. Sci. Taylor	100000
CS-347	Database System Concepts	Comp. Sci.	3	12345	Shankar	Comp. Sci.	32	Comp. Sci. Taylor	100000

Student Name : Shankar

Student ID : 12345

dept_name : Comp. Sci.

tot_cred : 32

Advisor : Srinivasan

Courses taken :

1. Intro. to Computer Science(CS-101) in fall 2017, grade: C, credits: 4
,instructor : Srinivasan

2. Game Design(CS-190) in Spring 2017 grade A credits 4 instructor : Brandt
3. Robotics(CS-315) in Spring 2018 grade A credits 3 instructor : Srinivasan
4. Database System Concepts(CS-347) in fall 2017 grade A credits 3
instructor : Srinivasan

Q2. Find the id's and titles of all courses which were taught by an instructor "Srinivasan"

Query :

```
select course_id,title
      from course where course_id in
      (
        select course_id
          from instructor natural join teaches
         where ID= (select ID from instructor where name =
'Srinivasan')
      );
```

Output :

course_id	title
CS-101	Intro. to Computer Science
CS-315	Robotics
CS-347	Database System Concepts