

HW08 PART2

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QUERIES:

```
CREATE TABLE Student(
student_id INT NOT NULL PRIMARY KEY,
name VARCHAR(128),
year_born INT
);
```

RESULT:

Sorgu1	Sorgu2	Sorgu3	Student
student_id	name	year_born	
*			

```
CREATE TABLE Project(
project_id INT NOT NULL PRIMARY KEY,
title VARCHAR(128),
project_owner VARCHAR(128),
year_written INT
);
```

RESULT :

Sorgu1	Sorgu2	Sorgu3	Student	Project
project_id	title	project_ow	year_writter	
*				

```
CREATE TABLE ProjectWorks(
student_id INT,
Project_work_name VARCHAR(128),
project_id INT,
CONSTRAINT FK_StudentID FOREIGN KEY (student_id)
REFERENCES Student(student_id),
CONSTRAINT FK_ProjectID FOREIGN KEY (project_id)
REFERENCES Project(project_id)
);
```

RESULT:

Sorgu1	Sorgu2	Sorgu3	Student	Project	ProjectWorks
student_id	Project_wor	project_id			
*					

```

INSERT INTO Student
('1','Phillip','1992')
('2','Fiona','1993')
('3','Jon','1990')
('4','Steve','1994')
('5','Mattie','1998')
('6','Francesca','1993')
('7','Frank','1999')
('8','Carl','1992')
('9','Donald','1999')
('10','Micheal','1994')
('11','Debbie','1990')
('12','Tyler','1996')
('13','Tyrion','1994')
('14','Max','1996')
('15','Charlie','1995')

```

RESULT :

ProjectWorks \ Query1 \ Project \ Student				
	student_id	name	year_born	
+	1	Phillip	1992	
+	2	Fiona	1993	
+	3	Jon	1990	
+	4	Steve	1994	
+	5	Mattie	1998	
+	6	Francesca	1993	
+	7	Frank	1999	
+	8	Carl	1992	
+	9	Donald	1999	
+	10	Micheal	1994	
+	11	Debbie	1990	
+	12	Tyler	1996	
+	13	Tyrion	1994	
+	14	Max	1996	
+	15	Charlie	1995	

```

INSERT INTO Project VALUES
('10','Algorithms','Erdogan Sevilgen','2016')
('11','Artificial Intelligence','Erdogan Sevilgen','2015')
('12','Computational Complexity Theory','David Hamilton','2017')
('13','Computer Engineering','Yakup GENÇ','2013')
('14','Computer Networks','Erdogan Sevilgen','2014')
('15','Data Mining','Yusuf Sinan AKGÜL','2017')
('16','Data Structure','Yakup GENÇ','2017')
('17','Machine Learning','Yusuf Sinan AKGÜL','2015')
('18','Programming','Erkan ZERGEROĞLU','2017')
('19','Robotics','Erdogan Sevilgen','2016')
('20','Software Engineering','David Hamilton','2017')
('21','Quantum Computing','David Hamilton','2016')
('22','History of Computer Science','Erkan ZERGEROĞLU','2010')
('23','Hacking','Erdogan Sevilgen','2014')
('24','File Sharing','Yusuf Sinan Akgül','2017')
('25','Discrete Mathematics','Erkan ZERGEROĞLU','2016')

```

RESULT:

ProjectWorks \ Query1 \ Project				
	project_id	title	project_owr	year_writte
+	10	Algorithms	Erdogan Sevilg	2016
+	11	Artificial Intell	Erdogan Sevilg	2015
+	12	Computational	David Hamilton	2017
+	13	Computer Engi	Yakup GENÇ	2013
+	14	Computer Net	Erdogan Sevilg	2014
+	15	Data Mining	Yusuf Sinan AK	2017
+	16	Data Structure	Yakup GENÇ	2017
+	17	Machine Learn	Yusuf Sinan AK	2015
+	18	Programming	Erkan ZERGERC	2017
+	19	Robotics	Erdogan Sevilg	2016
+	20	Software Engir	David Hamilton	2017
+	21	Quantum Com	David Hamilton	2016
+	22	History Of Com	Erkan ZERGERC	2010
+	23	Hacking	Erdogan Sevilg	2014
+	24	File Sharing	Yusuf Sinan AK	2017
+	25	Discrete Mathe	Erkan ZERGERC	2016
*				

INSERT INTO ProjectWorks

('1','Coding','10')
('15','designing','10')
('3','testing','23')
('5','Coding','10')
('12','designing','23')
('13','reporting','10')
('10','Coding')
('15','reporting','23')
('3','reporting','14')
('5','designing','11')
('6','reporting','12')
('5','Coding','19')
('7','reporting','10')
('8','designing','21')
('9','testing','12')
('10','reporting','13')
('12','Coding','14')
('13','testing','11')
('14','designing','16')
('7','testing','11')
('7','Coding','14')
('11','designing','10')
('12','designing','19')
('3','reporting','10')
('4','testing','23')
('15','Coding','11')
('6','testing','20')
('7','Coding','19')
('11','designing','19')
('13','testing','14')
('1','designing','15')
('2','testing','11')
('3','Coding','11')
('11','Coding','11')
('5','testing','14')
('12','designing','10')
('6','Coding','24')
('7','designing','23')
('13','reporting','19')
('2','coding','14')
('2','designing','19')
('4','testing','10')
('4','testing','19')

RESULT :

student_id	Project_wor	project_id
1	Coding	10
1	designing	15
2	testing	14
3	testing	23
3	reporting	14
3	reporting	10
3	coding	11
4	testing	23
5	Coding	10
5	designing	19
5	Coding	11
5	testing	23
6	reporting	12
6	testing	20
6	coding	13
7	reporting	10
7	testing	11
7	Coding	14
7	Coding	19
7	designing	23
8	designing	21
9	testing	12

student_id	Project_wor	project_id
10	Coding	13
10	reporting	16
11	designing	19
11	designing	11
11	coding	14
12	designing	23
12	Coding	19
12	designing	11
12	designing	10
13	reporting	11
13	testing	14
13	testing	19
13	reporting	23
14	designing	16
15	designing	10
15	reporting	11
15	Coding	14
2	coding	10
2	designing	19
*		

1)

```
SELECT Count(*) AS numberofstudents
FROM (SELECT COUNT(project_owner) FROM Project RIGHT JOIN ProjectWorks ON
Project.project_id = ProjectWorks.project_id WHERE project_owner = "Fatih Erdogan" GROUP
BY student_id) AS
WHERE Expr1000 >=3;
```

2)

```
SELECT Student.name
FROM Student INNER JOIN ProjectWorks ON Student.student_id=ProjectWorks.student_id
WHERE(((ProjectWorks.project_id) In (SELECT project_id FROM Project WHERE
project_owner = "Fatih Erdogan")) AND ((students.name)) Not In (SELECT name FROM students
INNER JOIN ProjectWorks ON Student.student_id = ProjectWorks.student_id WHERE project_id
IN (SELECT project_id FROM Project WHERE project_owner = "David Hamilton"))))
GROUP BY Student.name;
```