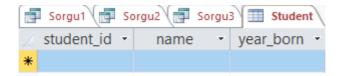
HW08 PART2

AHMED SEMİH ÖZMEKİK 171044039

QUERIES:

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

RESULT:

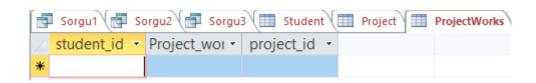


CREATE TABLE Project(
project_id INT NOT NULL PRIMARY KEY,
title VARCHAR(128),
project_owner VARCHAR(128),
year_written INT
);

RESULT:



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)
);



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')

	F	ProjectWorks 🕌	Query1 \I	Pr	oject \		Stu	dei	nt
4		student_id 🔻	name	₹	year	_bo	rn	Ŧ	(
	+	1	Phillip				19	92	
	+	2	Fiona				19	93	
	+	3	Jon				19	90	
	+	4	Steve				19	94	
	+	5	Mattie				19	98	
	+	6	Francesca				19	93	
	+	7	Frank				19	99	
	+	8	Carl				19	92	
	+	9	Donald				19	99	
	+	10	Micheal				19	94	
	+	11	Debbie				19	90	
	+	12	Tyler				19	96	
	+	13	Tyrion				19	94	
	+	14	Max				19	96	
	+	15	Charlie				19	95	

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')

	ProjectWorks Query1 Project					
4		project_id 🔻	title +	project_owr -	year_writte - (
	+	10	Algorithms	Erdogan Sevilg	2016	
	+	11	Artificial Intell	Erdogan Sevilg	2015	
	+	12	Computationa	David Hamilto	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 Con	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')

student id	¥	Project_wor ▼	project_id	¥
_		Coding	. , _	10
		designing		15
	2	testing		14
	3	testing		23
	3	reporting		14
	3	reporting		10
	3	coding		11
		testing		23
		Coding		10
		designing		19
		Coding		11
		testing		23
		reporting		12
		testing		20
		coding		13
		reporting		10
		testing		11
		Coding		14
		Coding		19
		designing		23
		designing		21 12
	9	testing		12

ProjectWorks	Query1	
∠ 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 Exprr1000 >=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;