Laiba Ahmed
526 Afternoon
BCSF19 A526   M T W T F S S
                ◯◯◯◯◯◯◯

Date:

$Q_3)$ a)
1) • student
- ◦ 3
- ◦ 3
- ◦ 4

2) • Course
- ◦ 3
- ◦ 3
- ◦ 3

b)

Cartesian Product

ID	First Name	Last Name	semester	id	course	credit hour
1	Ali	Usman	2	1	ITC	2
1	Ali	Usman	2	2	PF	4
1	Ali	Usman	2	3	OOP	5
2	Ahmed	Khan	4	1	ITC	2
2	Ahmed	Khan	4	2	PF	4
2	Ahmed	Khan	4	3	OOP	8
3	Arif	Faisal	1	1	ITC	2
3	Arif	Faisal	1	2	PF	4
3	Arif	Faisal	1	3	OOF	5

Name	Age	Gender	ID	Course
Basit	14	M	1	DS
Basit	14	M	2	DBMS
Ayesha	15	F	1	DS
Ayesha	15	F	2	DBMS
Ali	20	M	1	DS
Ali	20	M	2	DBMS

Q6

Name	Id	Dept-name &	Manager
A	120	IT	A
C	40	Sale	Y
D	11	IT	A

Q1

a)

σ Female students.marks > Male-students.marks

b)

Id	Marks	Gender	Id	Marks	Gender
1	45	F	10	20	M
1	45	F	11	22	M
2	55	F	10	20	M
2	55	F	11	22	M
3	60	F	12	20	M
3	60	F	12	22	M
3	60	F	12	5a	M

Q2 a)

student.phone ⋈ employee.phone

b)

1	Ali	18	11111	1	Ali	18	111111
4	Ayesha	19	444444	4	Ayesha	19	444444

c)

Date:

04) ρ (Sno, Sname) (STUDENT)