Quiz # 2.

Muhammad Usama Adil

Roll.no. BCSFI9AS12.

Ans:

a) π Female_Student.ID, Female_Student.Marks
Female_student.Gender, Male_student.ID,
Male_students.Marks, Male_student.Gender
(σ Female_Students.Marks > Male_student.Marks
Female_Students $\bowtie$ Male_Students)

b)   Female_Student $\bowtie$ Male student

Female_student > Male_Students

id F	Marks F	Gender F	id M	Marks M	Gender M
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	10	20	M
3	60	F	11	22	M
3	60	F	12	59	M

2)

(a)

π STUDENT.NAME, σ (σ STUDENT.NAME = EMPLOYEE.NAME
AND STUDENT.Phone = EMPLOYEE.Phone
STUDENT $\bowtie$ EMPLOYEE).

(b) Student $\bowtie$ EMPLOYEE

Phone E	Roll_No	Name S	Age S	Phone S	EmpNo	Name E	Age E
IIIIIIII	1	Ali	18	IIIIIIII	1	Ali	18
44444444	4	Ayesha	19	44444444	4	Ayesha	19

c)

Q3:

(a) Name of Relations:
 - STUDENT
 - COURSE

~~Tuples~~ Cardinality: ~~State~~ STUDENT : 3
COURSE : 3

TUPLES:

degree: STUDENT : 4
COURSE : 3 .

(b)

IDS	FirstName	LastName	SEmester	IDC	Course	Credit Hours
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	5
3	Arif	Faisal	1	1	ITC	2
3	Arif	Faisal	1	2	PF	4
3	Arif	Faisal	1	3	OOP	5

Q 4:

STUDENT RENAME Roll No As Sno.

STUDENT RENAME Name As SName.

Q 5
Table-A × Table-B

Name	Age	Gender	id	Course
Basit	14	M	1	DS
Basit	14	M	2	DBMS
~~Basit~~	~~14~~	~~M~~		
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	110	sale	Y
D	111	IT	A