

## Practice sheet-2 Relational algebra

Name: \_\_\_\_\_

Roll No: \_\_\_\_\_

Section: \_\_\_\_\_

### Questions

Consider the following tables

#### User

Id	Name	Age	Gender	OccupationId	CityId
1	John	25	Male	1	3
2	Sara	20	Female	3	4
3	Victor	31	Male	2	5
4	Jane	27	Female	1	3

#### Occupation

OccupationId	OccupationName
1	Software Engineer
2	Accountant
3	Pharmacist
4	Library Assistant

#### City

CityId	CityName
1	Halifax
2	Calgary
3	Boston
4	New York
5	Toronto

Write the relational algebra queries for the following:

1. Retrieve the names of the users whose age is greater than 25.
2. Select all the details of the users whose id is greater than 2 or age is not equal to 31
3. Write the query to perform the Cartesian product of occupation and city and write the resultant table as well
4. Find out the names of the users who belong to more than one occupation id