**SQL ASSIGNMENT -2**

-- Create table A

CREATE TABLE A (

ID INT PRIMARY KEY,

Name VARCHAR(50)

);

-- Insert some data into table A

INSERT INTO A (ID, Name)

VALUES

(1, 'John'),

(2, 'Alice'),

(3, 'Bob');

-- Create table B

CREATE TABLE B (

ID INT PRIMARY KEY,

Age INT

);

-- Insert some data into table B

INSERT INTO B (ID, Age)

VALUES

(1, 30),

(3, 25),

(4, 40);

-- a) Right Join

SELECT A.ID, A.Name, B.Age

FROM A

RIGHT JOIN B ON A.ID = B.ID;

-- b) Left Join

SELECT A.ID, A.Name, B.Age

FROM A

LEFT JOIN B ON A.ID = B.ID;

-- c) Inner Join

SELECT A.ID, A.Name, B.Age

FROM A

INNER JOIN B ON A.ID = B.ID;

-- d) Full Outer Join (not specified in the original question, but added for completeness)

SELECT A.ID, A.Name, B.Age

FROM A

FULL OUTER JOIN B ON A.ID = B.ID;

-- e) Intersect

SELECT ID, Name

FROM A

INTERSECT

SELECT ID, Age

FROM B;

-- f) Union

SELECT ID, Name

FROM A

UNION

SELECT ID, Age

FROM B;

-- g) Union All

SELECT ID, Name

FROM A

UNION ALL

SELECT ID, Age

FROM B;