```
--creating tables for the task
CREATE TABLE A (dimension_1 TEXT, dimension_2 TEXT, dimension_3 TEXT, measure_1 INTEGER);
CREATE TABLE B (dimension_1 TEXT, dimension_2 TEXT, measure_2 INTEGER);
CREATE TABLE MAP (dimension_1 TEXT, correct_dimension_2 TEXT);

--inserting values - table A
INSERT INTO A VALUES ( 'a', 'I', 'K', 1 );
INSERT INTO A VALUES ( 'a', 'J', 'L', 7);
INSERT INTO A VALUES ( 'b', 'I', 'M', 2);
INSERT INTO A VALUES ( 'c', 'J', 'N', 5);
-- inserting values - table B
INSERT INTO B VALUES ('a', 'J', 7);
INSERT INTO B VALUES ('b', 'J', 10);
INSERT INTO B VALUES ('d', 'J', 4);
-- inserting values - table MAP
INSERT INTO MAP VALUES ('a', 'W');
INSERT INTO MAP VALUES ('a', 'W');
INSERT INTO MAP VALUES ('b', 'X');
INSERT INTO MAP VALUES ('c', 'Y');
INSERT INTO MAP VALUES ('b', 'X');
INSERT INTO MAP VALUES ('d', 'Z');

-- checking tables
SELECT * FROM A;
SELECT * FROM B;
SELECT * FROM MAP;
```

```
WITH Task1 (Dimension_1, Dimension_2, Measure_1, Measure_2)
AS
(
   SELECT DISTINCT mp.dimension_1, mp.correct_dimension_2, ifnull(ad.measure_1, 0) AS measure_1, ifnull(bd.measure_2, 0) AS measure_2
   FROM MAP AS mp
   LEFT JOIN A AS ad ON mp.dimension_1 = ad.dimension_1
   LEFT JOIN B AS bd ON mp.dimension_1 = bd.dimension_1
)

SELECT * FROM Task1;


--Snowflake SQL checked
-- aggregation functions work


--SELECT AVG(measure_2) FROM Task1;
--SELECT SUM(measure_2) FROM Task1;
--SELECT COUNT(measure_2) FROM Task1;
--SELECT MIN(measure_2) FROM Task1;
--SELECT MAX(measure_2) FROM Task1;
```