--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;