create warehouse amrita\_ware;

create database amrita\_data;

create schema amrita\_schema;

select \*from height\_weight\_data;

select\* from iq;

select \*from life\_expectancy;

select \*from population\_density;

-- Problem 1: Find the top 5 countries with the highest male life expectancy.

SELECT COUNTRY, MALE\_LIFE\_EXPECTANCY

FROM life\_expectancy

ORDER BY MALE\_LIFE\_EXPECTANCY DESC

LIMIT 5;

-- Problem 2: Calculate the average IQ across all countrie

SELECT AVG(IQ) AS average\_iq

FROM iq;

-- Problem 3: Find the top 5 country with the highest population density.

SELECT COUNTRY, POP\_PER\_KM\_SQ

FROM population\_density

ORDER BY POP\_PER\_KM\_SQ DESC

LIMIT 5;

-- Problem 4: Find the 3 country with the highest male life expectancy and its corresponding IQ.

SELECT le.COUNTRY, le.MALE\_LIFE\_EXPECTANCY, iq.IQ

FROM life\_expectancy le

JOIN iq ON le.COUNTRY = iq.COUNTRY

ORDER BY le.MALE\_LIFE\_EXPECTANCY DESC

LIMIT 3;

-- Problem 5: Calculate the average male height and weight for countries with an IQ greater than 100.

SELECT AVG(hwd.MALE\_HEIGHT) AS avg\_male\_height, AVG(hwd.MALE\_WEIGHT) AS avg\_male\_weight

FROM height\_weight\_data hwd

JOIN iq ON hwd.COUNTRY = iq.COUNTRY

WHERE iq.IQ > 100;

-- Problem 6: Find the top 5 countries with the highest female BMI and their corresponding education expenditure per inhabitant.

SELECT hwd.COUNTRY, hwd.FEMALE\_BMI, iq.EDUCATION\_EXPENDITURE\_PER\_INHABITANT

FROM height\_weight\_data hwd

JOIN iq ON hwd.COUNTRY = iq.COUNTRY

ORDER BY hwd.FEMALE\_BMI DESC

LIMIT 5;

-- Find the country with the highest female life expectancy and IQ above 85

SELECT L.COUNTRY

FROM Life\_Expectancy L

JOIN IQ I ON L.COUNTRY = I.COUNTRY

WHERE L.FEMALE\_LIFE\_EXPECTANCY = (SELECT MAX(FEMALE\_LIFE\_EXPECTANCY) FROM Life\_Expectancy)

AND I.IQ > 85;