1. Show the average daily temperature for August 10th, 1964.

SELECT m8/10 FROM white\_christmas\_data

WHERE dy = 10 AND yr = 1964;

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2) Show the twelve temperatures.

SELECT yr - 1811 AS age, m12/10

FROM white\_christmas\_data

WHERE yr BETWEEN 1812 AND 1812 + 11 AND dy = 25;

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3) For each age 1-12 show which years were a White Christmas. Show 'White Christmas' or 'No snow' for each age.

SELECT yr - 1811 AS age,

CASE WHEN MIN(m12) < 0 THEN "White Christmas"

ELSE "No Snow" END wc

FROM white\_christmas\_data

WHERE yr BETWEEN 1812 AND 1812 + 11 AND dy BETWEEN 21 AND 25

GROUP BY age;

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4) List all the years and the wcc for children born in each year of the data set. Only show years where the wcc was at least 7.

SELECT yob, COUNT(wc)

FROM

(SELECT yob, yr + 1 - yob AS age,

CASE WHEN MIN(m12) < 0 THEN "White Christmas" END wc

FROM white\_christmas\_data CROSS JOIN (SELECT DISTINCT yr AS yob

FROM white\_christmas\_data) y

WHERE yr BETWEEN yob + 2 AND yob + 11 AND dy BETWEEN 21 AND 25

GROUP BY yob, age) x

GROUP BY yob

HAVING COUNT(wc) >= 7;

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5) Display the average temperatures for August by decade.

SELECT ROUND(yr, -1) decade, ROUND(AVG(NULLIF(m8, -999))/10, 1) august\_temp

FROM white\_christmas\_data

GROUP BY ROUND(yr, -1);

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