Table

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1. Write a query to select all rows from person. If the person row has a value in preferred\_first\_name, select the preferred name instead of the value in first name. Alias the column as REPORTING\_NAME.

SELECT COALESCE(preferred\_first\_name, first\_name) AS REPORTING\_NAME

FROM PERSON

Table

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1. Write a query to select all rows from person that have a NULL occupation.

SELECT \*

FROM PERSON

WHERE occupation IS NULL



1. Write a query to select all rows from person that have a date\_of\_birth before August 7th, 1990.

SELECT \*

FROM PERSON

WHERE DATE(date\_of\_birth) < ‘1990-08-07’

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1. Write a query to select all rows from person that have a hire\_date in the past 100 days.

SELECT \*

FROM PERSON

WHERE hire\_date >= date('now', '-100 day') AND hire\_date <= date('now')

Table

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1. Write a query to select rows from person that also have a row in address with address\_type = ‘HOME’.

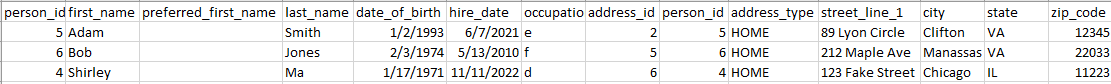
SELECT \*

FROM PERSON AS p

JOIN ADDRESS AS a

ON p.person\_id = a.person\_id

WHERE a.address\_type = ‘HOME’



1. Write a query to select all rows from person and only those rows from address that have a matching billing address (address\_type = ‘BILL’). If a matching billing address does not exist, display ‘NONE’ in the address\_type column.

SELECT p.\*, IFNULL(a.address\_type, 'NONE') AS address\_type

FROM [PERSON] p

LEFT JOIN

(SELECT person\_id, address\_type

FROM [ADDRESS] tbl2

WHERE address\_type = 'BILL') a

ON p.person\_id = a.person\_id

Table

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1. Write a query to count the number of addresses per address type.

SELECT address\_type, COUNT(address\_type)

FROM [ADDRESS]

GROUP BY address\_type

Table

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1. Write a query to select data in the following format:

SELECT home.last\_name, home.home\_address, bill.billing\_address

FROM (SELECT last\_name, street\_line\_1 || ', ' || city || ', ' || state || ' ' || zip\_code as home\_address

FROM [PERSON] as p

JOIN [ADDRESS] as a ON p.person\_id = a.person\_id

WHERE address\_type = 'HOME') as home

JOIN (SELECT last\_name, street\_line\_1 || ', ' || city || ', ' || state || ' ' || zip\_code as billing\_address

FROM [PERSON] as p

JOIN [ADDRESS] as a ON p.person\_id = a.person\_id

WHERE address\_type = 'BILL') as bill

ON home.last\_name = bill.last\_name

Table

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1. Write a query to update the person.occupation column to ‘X’ for all rows that have a ‘BILL’ address in the address table

UPDATE PERSON

SET occupation = ‘X’

WHERE (SELECT occupation FROM PEOPLE AS p JOIN ADDRESSES AS a ON p.person\_id = a.person\_id WHERE a.address\_type = ‘BILL’)

Table

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