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| |  | | --- | | **Interview Query Solution #43 | Empty Neighborhoods** | |

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| |  | | --- | | Here's the question and answer for yesterdays sql question.  This question was asked by: **Oracle** | |

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| |  | | --- | | **Solution:** | |

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| |  | | --- | | Whenever the question asks about finding values with 0 X (users, employees, posts, etc..) immediately think LEFT JOIN! An inner join finds any values that are in both tables, a left join keeps only the values in the left table.  Therefore to find all neighborhoods without users we must do a left join from the neighborhoods table to the users table which will give us an output like this:    neighborhoods.name | users.id  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_  castro | 123  castro | 124  cole valley | null  castro heights | 534  castro heights | 564    If we then add in a where condition of **WHERE users.id IS NULL**, then we will get every single neighborhood without a singular user.    **SELECT** n.name  **FROM** neighborhoods **AS** n  **LEFT** **JOIN** users **AS** u  **ON** n.id = u.neighborhood\_id  **WHERE** u.id **IS** **NULL** | |

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