

# Scan Node Types

## Sequential Scan

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- Reads the whole table row by row.
- Applies filters while reading, but can't skip rows.
- Best for small tables or when most rows are needed.

//Harith Abeysinghe



# Scan Node Types

## Index Scan

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- Uses an index to find relevant rows.
- Fetches table rows to check visibility and get missing columns.
- Fast when the query is selective.

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# Scan Node Types

## Index-Only Scan

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- Reads directly from the index, no table access needed.
- Very fast, but only works if all required columns are in the index.

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# Scan Node Types

## Bitmap Heap Scan

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- Uses a bitmap from one or more indexes to fetch rows efficiently.
- Handles multiple conditions well.
- May fetch full pages if memory is limited, then re-check conditions.

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