**JOINS**

Joins are fundamental operation in relational databases that allow us to combine data from multiple tables based on a common column. They are essential for querying and analysing data efficiently.

**LEFT JOINS**

The left join is a type of join operation in relational databases that combines rows from two tables based on a matching condition, as well as includes all the unmatched rows from the left (or first) table. The left join is particularly useful when you want to retrieve data from the left table and include matching data from the right table if it exists.

Example:

GPay

In GPay , customer details will be in one table and UPI details will be in one table.

One customer can have multiple UPI and multiple bank accounts. So we need left join.

TABLE 1

CUSTOMER DETAILS

|  |  |  |
| --- | --- | --- |
| ID | Name | Age |
| Cust1 | Maneesha Shibu | 24 |

TABLE 2

UPI DETAILS

|  |  |  |
| --- | --- | --- |
| Cust ID | UPI ID | Bank |
| Cust1 | vz@oksbi | sbi |
| Cust2 | at@okhdfc | hdfc |
| Cust1 | shib@pnb | pnb |

If we observe then we can see cust1 has 2 UPI Ids.