

# RDBMS:OLAP & OLTP

-Aman Khandwe

January 21, 2022

## **Abstract**

A relational database is a digital database that uses the relational data model. A relational database management system is a system for maintaining relational databases (RDBMS). Many relational database systems allow you to query and maintain the database using SQL (Structured Query Language). It's a programme that lets us create, delete, and update relational databases. A relational database is a database system that stores and retrieves data in the form of rows and columns in a tabular format. The main DBMS, such as SQL, My-SQL, and ORACLE, are all based on relational DBMS concepts. The fact that the values of each table are connected to each other is the cornerstone of relational DBMS. It is capable of handling enormous amounts of data and easily simulating queries. Here in this paper we will look at the history of RDBMS and see what led to the formation of relational database, then we will look at the terminologies related to RDBMS and how to store objects in relational database, followed by advantages, disadvantages, and some applications of the same, and finally we will try to have a deeper look at the two major applications of RDBMS, OLAP (Online analytical processing) and OLTP (Online transaction processing) (Online transaction processing).