

# RDBMS Venkatesh Vinayakrao

## Lecture - 1 :-

Larry Ellison Oracle Founder

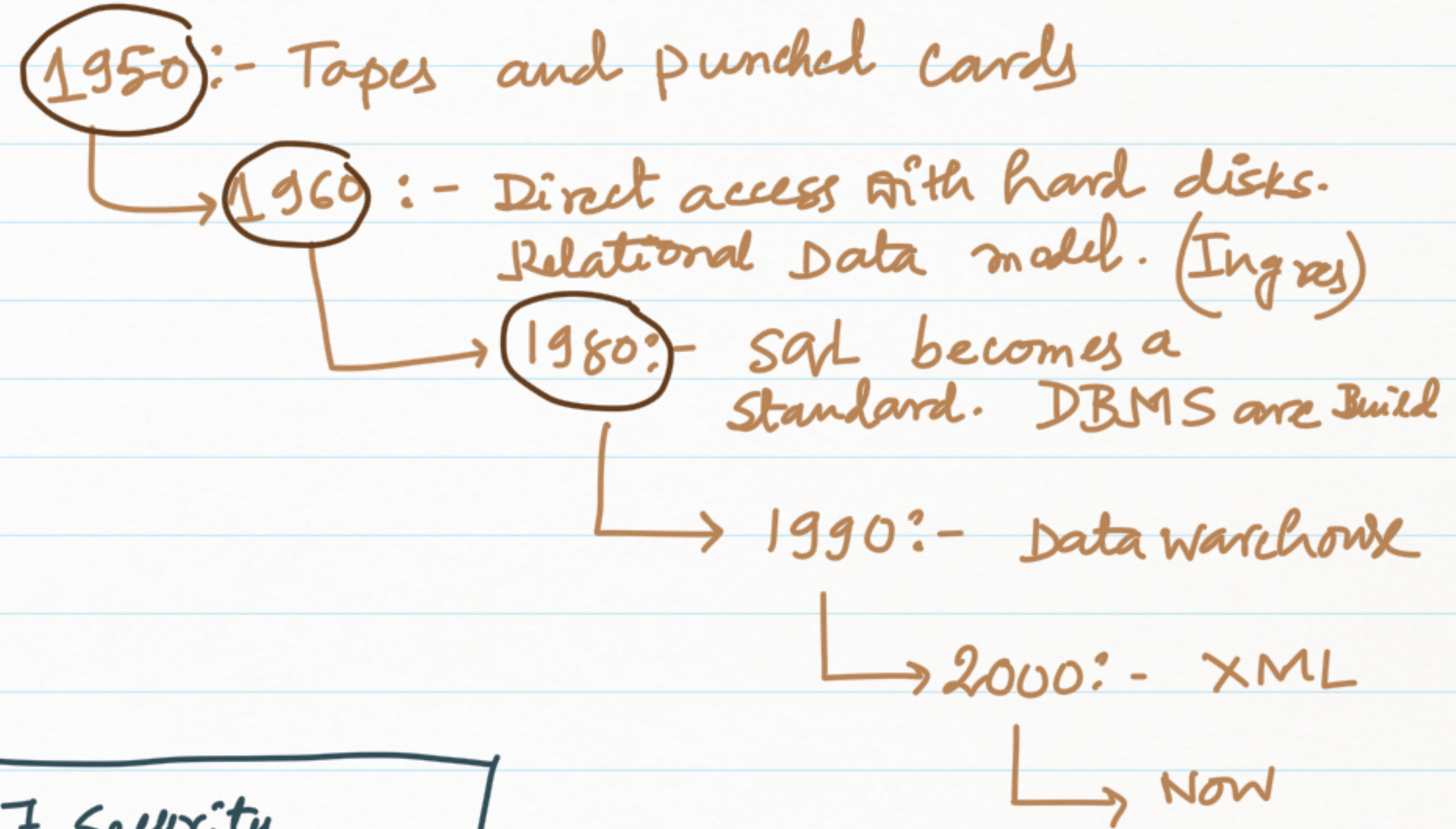
1. Interrelated Data
2. Set of programs to access those data.

Collection of Data is Data Bases

Q Why files are insufficient to store Data?

1. No organized structure the Data is store.
2. Redundancy
3. difficulty in accessing
4. inconsistent
5. Too many file format.
6. Backups

We need a better way to store data



7. Security
8. Collaboration
9. Integrity.



## How to build a DBMS?

Q What is relational about the RDBMS?

Interrelated Data:-

A relation R from a set A to set B is a subset of the cartesian product  $A \times B$

Relations are the main key point for addressing the

$$R = \{(1, sd), (2, vv)\}$$

↖ subset of the cartesian product.

Edgar F. Codd ? - Foundation of the relational model.

## MySQL :-

The program to access the data

$\{1, 2, 3\}$  reflexive relation.  $(1,1), (2,2), (3,3)$   
 $2^6$

$$\frac{2^6}{2^9} = \frac{1}{8}$$

Symmetric :-  $\frac{2^{\frac{n(n+1)}{2}}}{2^9} = \frac{2^6}{2^9} = \frac{1}{8}$