### Module 1

History of Databases

# **Database System**

What would be **your** definition?

### **Database System**

A commonly accepted definition would be

a system that can handle arbitrary datasets

Any idea in which **decade** those were invented?

#### 1960s - IDS

Charles Bachman joins General Electric to work on what is commonly accepted as the first ever DBMS (Database Management System) named Integrated Data Store a.k.a. IDS



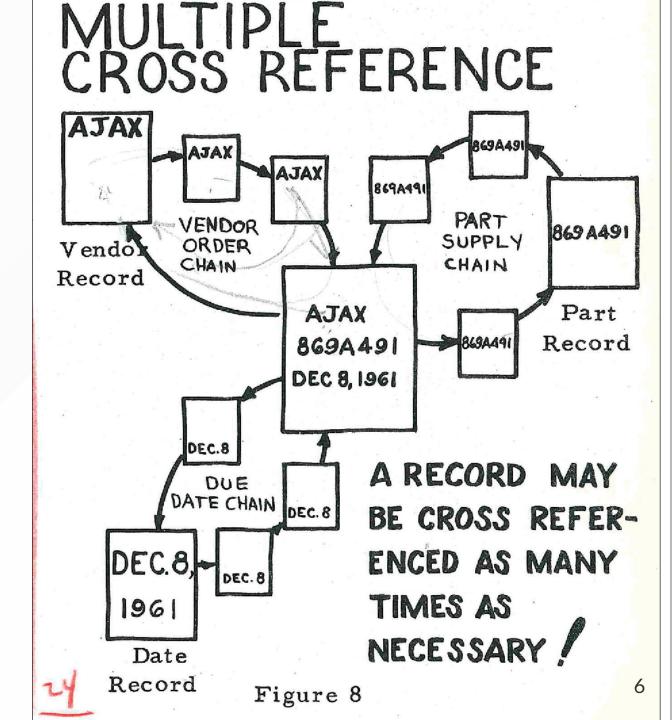
He received the **Turing Award** in 1973

## Yes, GE was selling this in 1964



#### IDS

Network Database (more on this later)



#### CODASYL

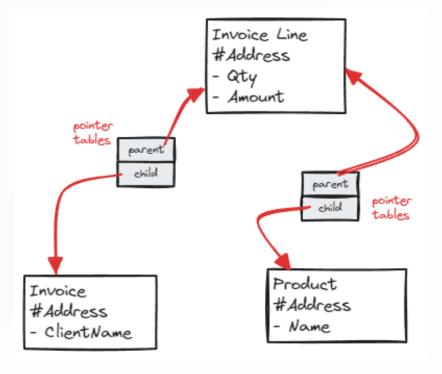
Conference On DAta SYstems Languages

**COBOL** developers that wanted to come out with **APIs** for data storage and retrieval

Charles Bachman joins them in 1965, pushing many ideas from IDS

### **Network model**

Codasyl and IDS were both using this model



### Hierarchical model

Think of an xml, json or yaml file

