

## Database Basics:

**ENTITY:** Anything living or non-living, that has certain properties to which some values can be assigned. E.g: students, teachers etc.

**FIELD:** A column heading; property under which values are written. E.g: Zafar is a value of property "Name".  
(ATTRIBUTE)

**ITEM:** The value written under the field, E.g: "Zafar".

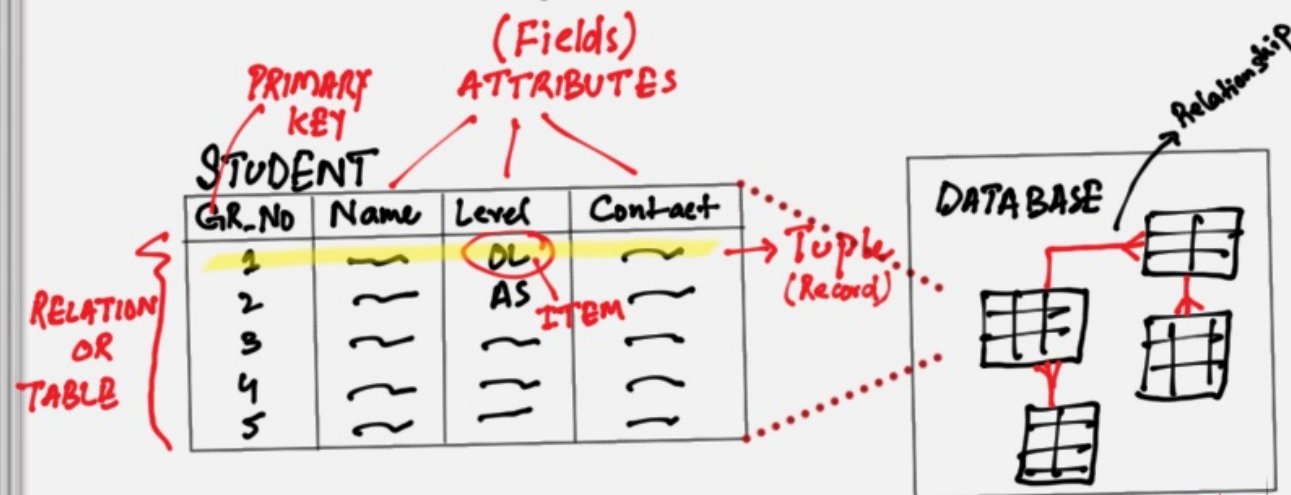
**RECORD:** All the items (values) mentioned in a row.  
(TUPLE) This record represents an 'Entity' individually.

**TABLE:** All the records in a file are collectively  
(RELATION) called "Table".

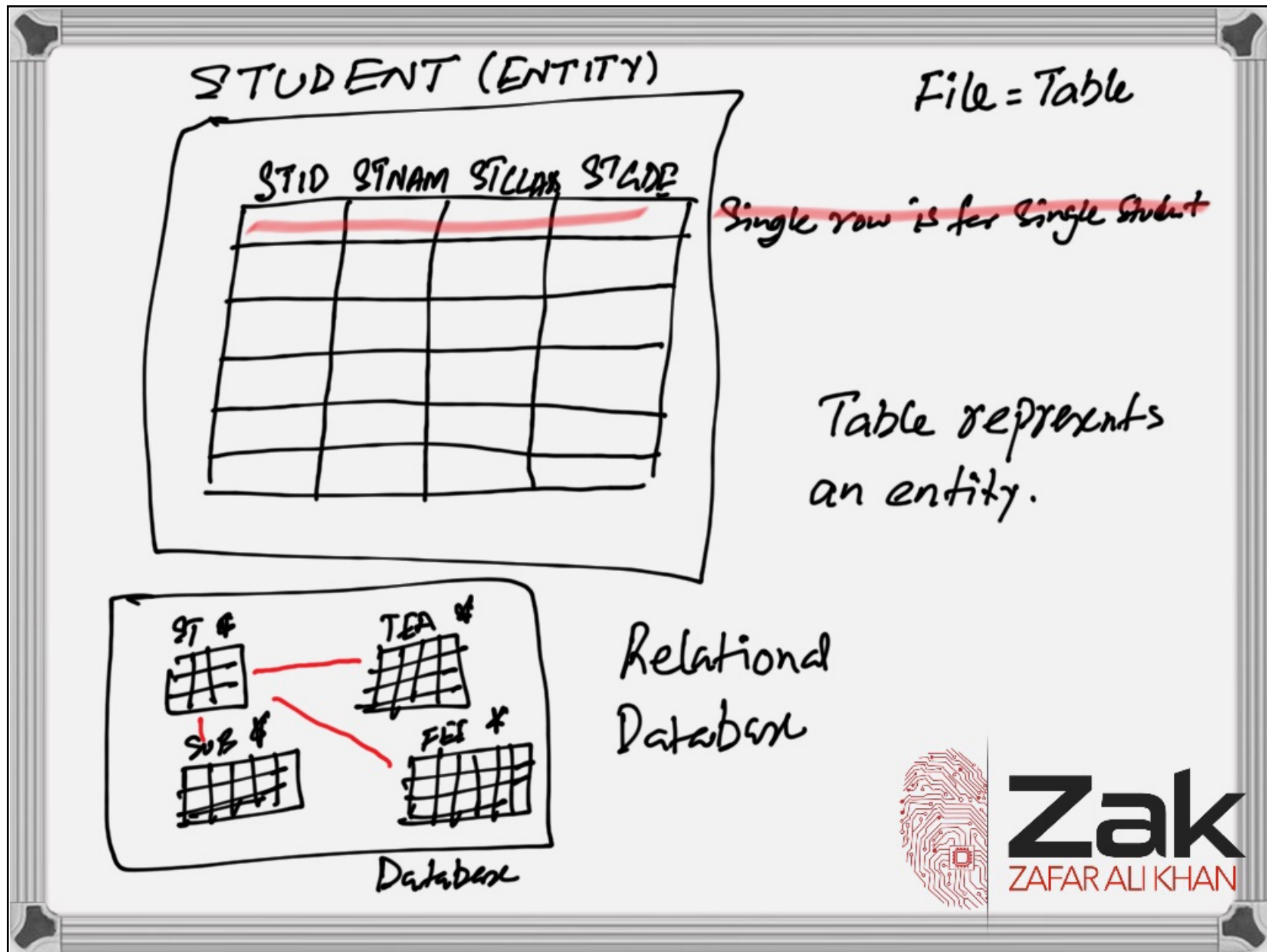


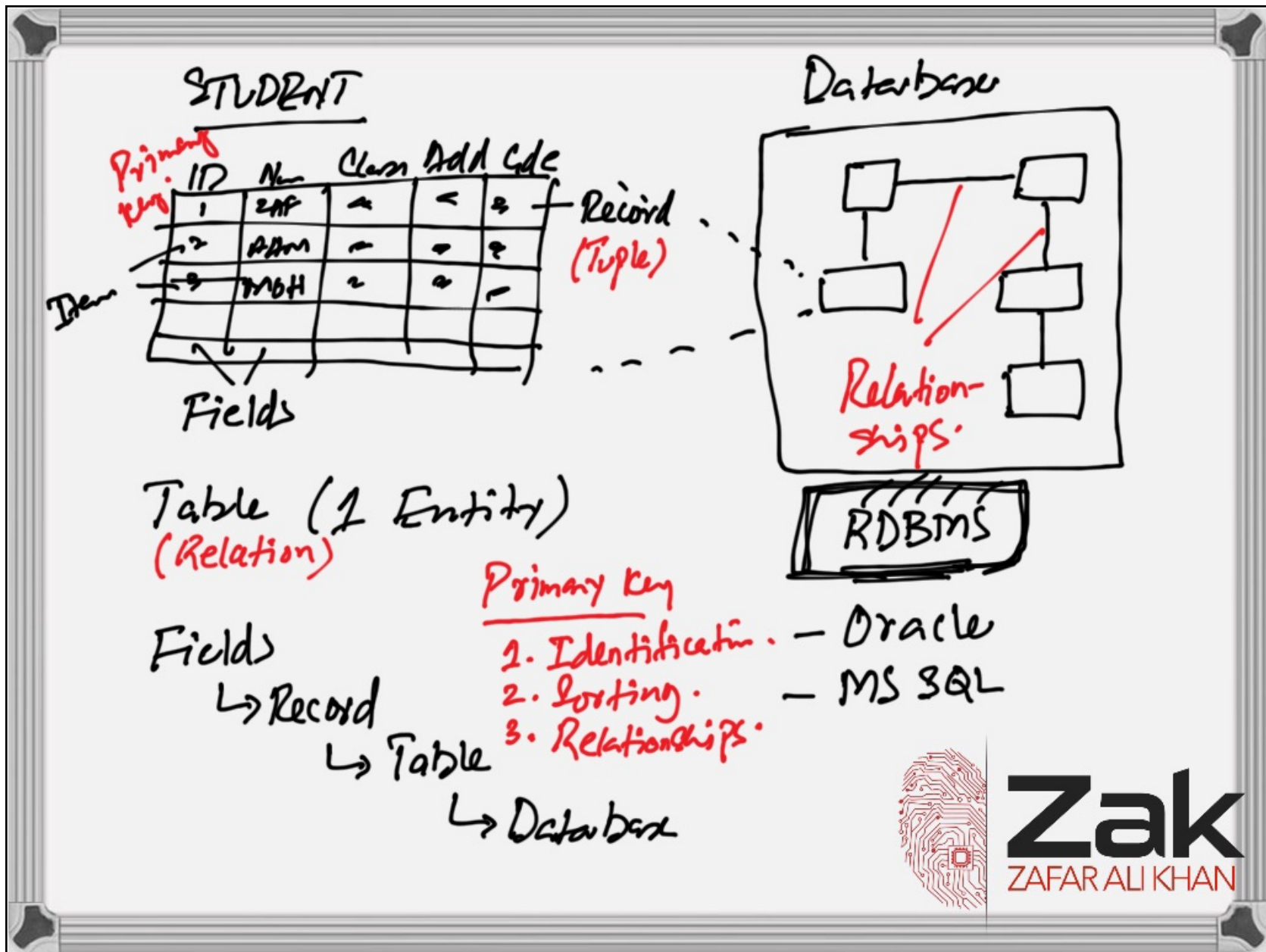
**PRIMARY KEY/KEY FIELD:** A field whose items are unique for every record. It is mainly used for searching and sorting of records.

**DATABASE:** Collection of all tables in a single system is 'DATABASE'.



**Zak**  
ZAFAR ALI KHAN





### Key terms:

- Column /  
Field / Properties / characteristics /  
Attribute.
  - Item
  - Record /  
Tuple
  - Table /  
Relation
  - Relationship
  - Primary key
  - Entity
- Relational Database Management System (RDBMS).



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