KEYS IN DBMS

Referential Integrity in Foreign key

Referential integrity is an important concept in foreign key. We always say foreign key maintains referential integrity.

Referential integrity ensures that the relationships between tables remain accurate, consistent, and meaningful within a relational database.

KEYS IN DBMS

Referential Integrity in Foreign key

Now consider there are two tables one is refrencing and other is refrenced table .
Lets see how some operations like insert, update and delete works here.

KEYS IN DBMS

Refrential Integrity in Foreign key

- Insertion in Referenced/base table

No violation

KEYS IN DBMS

Refrential Integrity in Foreign key

- Deletion in Referenced/base table

May cause violation if the coressponding data is present in refrencing table.

KEYS IN DBMS

Refrential Integrity in Foreign key

If a record in referenced table is deleted or updated , the corresponding records in the referencing table should be deleted or updated to maintain the integrity of the relationship.

We using action like "CASCADE DELETE" for the same. Also we can set null for the values deleted.