

Data Independence

It is a concept in which we are allowed to make changes in lower level schema without effecting higher level schema. In simple words lower and higher level both are interconnected and works as a unit, but the changes made in lower level's structure not effects the structure of higher level and the relationship between both levels.

We have 2 types of Data Independence:

- 1) Physical Data Independence
- 2) Logical Data Independence

Physical Data Independence:

It's a concept of making changes in physical level schema without effecting the logical level schema. Example:

Updating the programming terminology like change algorithm or data structures in physical level schema.

Change the location of database or memory allocation.

Logical Data Independence:

It's a concept of making changes in logical level schema without effecting the external or view level schema.

Example:

Making changes in tables of database, like remove or update the columns.

