

Relational Algebra:

- Relational Algebra is a procedural query language, which takes instances of relations as input and yields instances of relations as output. It uses operators to perform queries. An operator can be either unary or binary.
- A formal Query language based on a set of operations on relations.
- Procedural query language.
- It consists of set of operations

Fundamental operations: select, project, union, set difference & rename.

Define using Set theory concept:

- Select
 - Project
 - Union
 - Set differences
 - Cartesian Product
 - Rename
-
- **Unary operations** : Select, project, rename
 - **Binary operations:** union, set difference, Cartesian products.

Additional Operations

- Natural Join
- Intersection
- Assignment
- Division