

Data and Applications

Project Phase - 4:

Data Architects (Team-37) :

- Sai Sudhan (2022101052)
- Krishna Koushik (2022101036)
- Raghava Nijesh (2022101056)
- Chaganti Venkata Karthikeya (2022101058)
- Vanarasi Vamseedhar (2022101073)

Commands :

1. Insert :

This function is used to insert new tuples into the predefined Tables or Relations. Table and Tuple values will be taken as input and the operation will be performed in corresponding table.

2. Delete :

This function is used to remove rows of a certain table or relation. Table and condition which tuples are to be deleted will be taken as input and corresponding rows will be deleted.

3. Update :

This function is used to update the existing rows upon any changes. Table, attribute and its new value, condition to which rows are to be updated will be taken as input and corresponding rows will be updated.

4. Selection :

This function is used to select a certain rows based on their attributes. Tables and Condition will be taken as input and the rows satisfying the condition will be display as output.

5. Projection :

This function is used to query based on a certain attribute. Tables, columns and condition will be taken as input values of those columns satisfying the condition will be displayed as output.

6. Aggregate :

This function is used to retrieve minimum/maximum/sum/average of the attributes of a Table or Relation. User can select which operation is to be performed, based on operation table, column and condition will be taken as input and the result of operation will be displayed.

7. Search :

This function is used to search for a certain entry in the existing Database. Table, Column and the value to be searched will be taken as input and the row containing that value will be displayed as output.

8. User Defined :

- **Best Players of a Guild :**

Guild id will be taken as the input and the information regarding best players of that guild will be displayed as output.

- **Order of Countries with best players :**

Descending order of Countries with best player will be displayed as output.