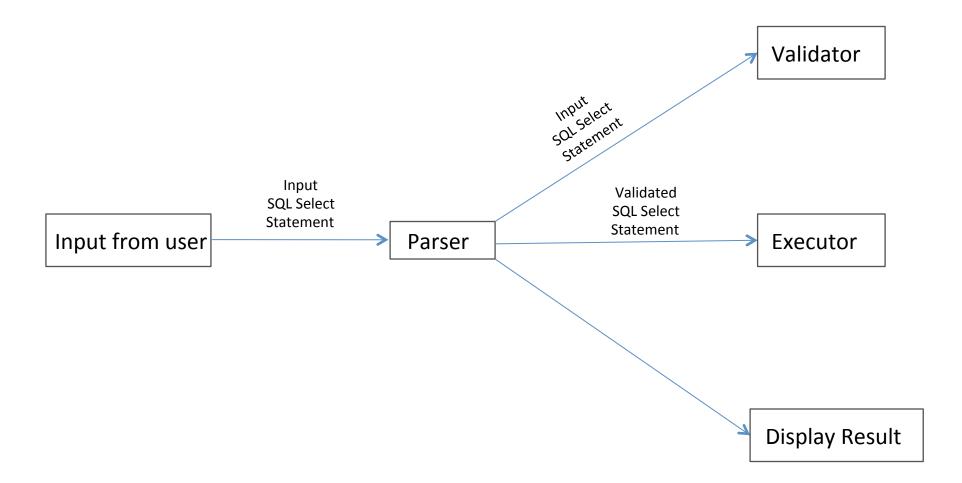
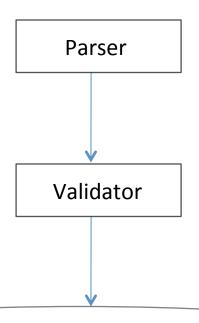
## **Basic Workflow**





Validates the input string for SQL Select syntax and semantics; And sets appropriate parameters required at each stage of validation

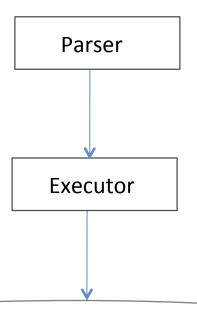
Error in input

No Error

Throw Exception with a message;

And Exit to Prompt

SQL Statement is now validated;
Appropriate parameters required for Executor are set;
Now Return to parser



Executes the validated well-formed SQL Select statement;
Selects appropriate tuples from the DB and populates Result Object

Input from User => SQL Select Statement

Parser => Accepts Input, an SQL Select statement ,parses it and displays the result Taking the services of Validator and Executor respectively

Validator => Provides validation services to the Parser by checking the input SQL Statement for syntactical and semantical errors and either allows the statement To move further to the Executor to execute or throws Appropriate Exceptions and rejects the input SQL Statement, thus servers as a workflow regulator

Executor => An input SQL statement arrives at the Executor only after it is successfully Validated by the Validator. Now the Executor executes a well-formed SQL statement And populates the Result object with the result of the select query