(Structured Owery Longrage) * SQL Query is j'est a sking that is input to Databose software String converts Achiel computation on Data Structure (B, B+) tree physical data structure of table records. How Onery is converted to operation on physical data structure

```
SELECT Name, Age FROM Employees WHERE Department = 'Sales';
```

- Parsing: The query is parsed to create a parse tree.
- Validation: The database checks that the Employees table and columns Name, Age, and Department exist and that the client has access rights.
- Rewriting: Any views or rules related to the Employees table are processed.
- Optimization: The optimizer determines whether to do a table scan or an index scan based on statistics.
- Execution Plan: The engine prepares a plan, e.g., Index Scan on Employees.
- Execution: The execution engine fetches data matching the WHERE condition and constructs the result set.
- Return: The result is sent back to the client.

