Data Manipulation Language (DML)

search for information in a database: SELECT

```
SELECT { <expression> [AS <column name>] } [ , ... n ]
[INTO <new table> ]
FROM  or 
[WHERE <line filtering condition> ]
[GROUP BY { <expression> } [ , ... n ] ]
[HAVING <line filtering condition s> ]
[ORDER BY { <expression> } [ , ... n ] ]
[COMPUTE { <expression> } [ , ... n ] BY { <attribute> } [ , ... n ] ]
[COMPUTE { <expression> } [ , ... n ]
```

inserting rows into a table: INSERT INTO

```
INSERT [INTO]  [ ( <attribute 1>, <attribute 2>, ..., <attribute n> ) ]
    { VALUES { ( <val_attribute 1>, <val_attribute 2>, ..., <val_attribute n> ) } [ , ... n ] |
        <query SELECT> }
```

modifying the rows of a table : **UPDATE**

```
UPDATE  SET { <attribute>=<expression> } [ , ... n ]
[ WHERE <line filtering condition> ]
```

removing rows from a table : **DELETE**

```
DELETE [FROM]  [ WHERE <line filtering condition> ]
```

Data Manipulation Language (DML)

creating a table: CREATE TABLE

changing columns or constraints in a table: ALTER TABLE

```
ALTER TABLE 
{ ALTER COLUMN <column name> <type> ... |
ADD { <column definition> | <constraint> } [ , ... n ] |
DROP { [CONSTRAINT] { <constraint name> } [ , ... n ] |
COLUMN { <column name> } [ , ... n ]
} [ , ... n ]
}
```