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1. Data Query Language (DQL)
DQL statements retrieve data from the database.
SELECT Statement:
SELECT column1, column2 FROM table name WHERE condition;
Example:
SELECT
                                           employees
          first name,
                                  FROM
                                                       WHERE
                      last name
department id = 10;
2. Data Definition Language (DDL)
DDL statements define and manage database structures.
CREATE Statement:
CREATE TABLE employees (
  emp_id NUMBER PRIMARY KEY,
  first_name VARCHAR2(50),
  salary NUMBER(10,2)
);
ALTER Statement:
ALTER TABLE employees ADD (job title VARCHAR2(100));
DROP Statement:
DROP TABLE employees;
TRUNCATE Statement:
TRUNCATE TABLE employees;
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3. Data Manipulation Language (DML)

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INSERT Statement:
INSERT INTO employees (emp_id, first_name, salary) VALUES (101,
'John', 5000);
UPDATE Statement:
UPDATE employees SET salary = 6000 WHERE emp id = 101;
DELETE Statement:
DELETE FROM employees WHERE emp id = 101;
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4. Transaction Control Language (TCL)
TCL statements manage transactions.
COMMIT:
COMMIT;
ROLLBACK:
ROLLBACK;
SAVEPOINT:
SAVEPOINT sp1;
UPDATE employees SET salary = 7000 WHERE emp_id = 101;
ROLLBACK TO sp1;
5. Data Control Language (DCL)
DCL statements control access to database objects.
GRANT Statement:
GRANT SELECT, INSERT ON employees TO user1;
REVOKE Statement:
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REVOKE INSERT ON employees FROM user1;

DML statements modify table data.

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6. Procedural SQL (PL/SQL)
PL/SQL statements add procedural logic to SQL.
DECLARE Block:
DECLARE v_salary NUMBER;
BEGIN
  SELECT salary INTO v_salary FROM employees WHERE emp_id =
101;
END;
IF-ELSE Statement:
DECLARE v_salary NUMBER;
BEGIN
  SELECT salary INTO v salary FROM employees WHERE emp id =
101:
  IF v_salary > 5000 THEN
    DBMS_OUTPUT.PUT_LINE('High salary');
  ELSE
    DBMS OUTPUT.PUT LINE('Low salary');
  END IF;
END;
LOOP Statement:
DECLARE v counter NUMBER := 1;
BEGIN
  LOOP
    DBMS_OUTPUT_LINE('Counter: ' || v_counter);
    v counter := v counter + 1;
    EXIT WHEN v counter > 5;
  END LOOP:
END;
```

Summary:

- DQL (SELECT) retrieves data.
- DDL (CREATE, ALTER, DROP, TRUNCATE) defines database structures.
- DML (INSERT, UPDATE, DELETE) modifies data.
- TCL (COMMIT, ROLLBACK, SAVEPOINT) manages transactions.
- DCL (GRANT, REVOKE) controls user permissions.
- PL/SQL enables procedural logic.