

PostgreSQL Modifying Data Cheat Sheet

INSERT

```
INSERT INTO employees (name, age) VALUES ('John', 30);
```

INSERT Multiple Rows

```
INSERT INTO employees (name, age) VALUES ('Alice', 28), ('Bob', 35);
```

UPDATE

```
UPDATE employees SET age = 31 WHERE name = 'John';
```

UPDATE Join

```
UPDATE employees SET department = d.name  
FROM departments d WHERE employees.department_id = d.id;
```

DELETE

```
DELETE FROM employees WHERE age > 60;
```

DELETE Join

```
DELETE FROM employees e USING departments d  
WHERE e.department_id = d.id AND d.name = 'Obsolete';
```

Upsert

```
INSERT INTO employees (id, name, age)  
VALUES (1, 'Jane', 32)  
ON CONFLICT (id) DO UPDATE SET name = EXCLUDED.name, age = EXCLUDED.age;
```

MERGE

```
MERGE INTO employees AS e
```

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USING new_employees AS n ON e.id = n.id

WHEN MATCHED THEN UPDATE SET name = n.name

WHEN NOT MATCHED THEN INSERT (id, name) VALUES (n.id, n.name);