



Web Developer  
@the\_coding\_wizard

01



# SQL Cheat Sheet



Swipe The Swipe logo consists of a blue circular arrow pointing clockwise, with a white 'S' shape inside it.

The Coding Wizard logo, featuring a stylized 'W' made of colorful geometric shapes (blue, green, yellow, red) inside a dark blue circle. Below the 'W' is the text 'The Coding Wizard' and 'UNLOCK YOUR MAGIC'.

# 1. Creating Tables :

```
CREATE TABLE table_name (  
    column1 datatype,  
    column2 datatype,  
    column3 datatype  
);
```

# 2. Inserting Data :

```
INSERT INTO table_name (column1, column2)  
VALUES (value1, value2);
```



The Coding Wizard logo, featuring a stylized 'W' with a rainbow gradient and the text 'The Coding Wizard' and 'WHERE YOUR MAGIC BEGINS'.

### 3. Selecting Data :

```
SELECT column1, column2  
FROM table_name;
```

### 4. Selecting All Columns :

```
SELECT *  
FROM table_name;
```

### 5. Updating Data :

```
UPDATE table_name  
SET column1 = value1, column2 = value2  
WHERE condition;
```



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## 6. Deleting Data :

```
DELETE FROM table_name  
WHERE condition;
```

## 7. Dropping Tables :

```
DROP TABLE table_name;
```

## 8. Altering Tables :

```
ALTER TABLE table_name  
ADD column_name datatype;
```

**Comment "SQL" for SQL CheatSheet**



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## 9. Joins :

### INNER JOIN

```
SELECT column1, column2  
FROM table1  
INNER JOIN table2  
ON table1.column = table2.column;
```

### LEFT JOIN

```
SELECT column1, column2  
FROM table1  
LEFT JOIN table2  
ON table1.column = table2.column;
```

### RIGHT JOIN

```
SELECT column1, column2  
FROM table1  
RIGHT JOIN table2  
ON table1.column = table2.column;
```





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## 10. WHERE Clause :

```
SELECT column1, column2  
FROM table_name  
WHERE condition;
```

## 11. GROUP BY Clause :

```
SELECT column1, COUNT(*)  
FROM table_name  
GROUP BY column1;
```

## 12. HAVING Clause :

```
SELECT column1, COUNT(*)  
FROM table_name  
GROUP BY column1  
HAVING COUNT(*) > value;
```



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## 13. ORDER BY Clause :

```
SELECT column1, column2  
FROM table_name  
ORDER BY column1 [ASC|DESC];
```

## 14. LIMIT Clause :

```
SELECT column1, column2  
FROM table_name  
LIMIT number;
```

## 15. Creating Views :

```
CREATE VIEW view_name AS  
SELECT column1, column2  
FROM table_name  
WHERE condition;
```



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## 16. Indexing :

```
CREATE INDEX index_name  
ON table_name (column1, column2);
```

## 17. Subqueries :

```
SELECT column1  
FROM table_name  
WHERE column2 = (SELECT column2 FROM table_name WHERE condition);
```

## 18. Adding Constraints :

```
ALTER TABLE table_name  
ADD CONSTRAINT constraint_name UNIQUE (column1, column2);
```

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