



Web Developer
@the_coding_wizard

01



SQL Cheat Sheet



The Coding Wizard logo, featuring a stylized 'W' made of colorful geometric shapes (blue, green, yellow, red) and the text 'The Coding Wizard' and 'WEAVE THE MAGIC' below it.

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);
```



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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;
```



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 'SIMPLY THE BEST' in smaller letters.

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;
```

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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;
```



The Coding Wizard
UNLOCK YOUR MAGIC

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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