SQL
Cheat Sheet

1. Creating Tables :

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

2. Inserting Data :

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

3. Selecting Data :

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

4. Selecting All Columns :

```sql
SELECT *
FROM table_name;
```

5. Updating Data :

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

6. Deleting Data :

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

7. Dropping Tables :

```sql
DROP TABLE table_name;
```

8. Altering Tables :

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

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9. Joins :

INNER JOIN

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

LEFT JOIN

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

RIGHT JOIN

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

10. WHERE Clause :

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

11. GROUP BY Clause :

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

12. HAVING Clause :

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

13. ORDER BY Clause :

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

14. LIMIT Clause :

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

15. Creating Views :

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

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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