Copyright by SQLDatabaseTutorial.com 2008

SQL CHEET SHEET

SQL SELECT STATEMENTS

```
SELECT * FROM t
```

```
SELECT c1,c2 FROM t
```

```
SELECT c1,c2 FROM t
WHERE  conditions
```

```
SELECT c1,c2 FROM t
WHERE conditions
ORDER BY c1 ASC,c2 DESC
```

```
SELECT DISTICT c1,c2
FROM t
```

```
SELECT c1, aggregate(c2 * c3)
FROM t
GROUP BY c1
```

```
SELECT c1, aggregate(c2 * c3)
FROM t
GROUP BY c1
HAVING c1 > v1
```

SQL UPDATE DATABASE

```
INSERT INTO t (c1,c2…)
VALUES (v1,v2…)
```

```
INSERT INTO t1 (c1,c2…)
SELECT c1,c2… FROM t2
WHERE conditions
```

```
UPDATE t
SET c1 = v1, c2 = v2,…
WHERE conditions
```

```
DELETE FROM t
WHERE conditions
```

```
TRUNCATE TABLE t
```

SQL OPERATORS

```
SELECT * FROM t
WHERE c1 [NOT] BETWEEN v1
AND v2
```

```
SELECT * FROM t
WHERE c1 [NOT ] IN (v1,v2,…)
```

```
SELECT* FROM t
WHERE c1 > v1 AND c1 < v2
```

```
SELECT * FROM t
WHERE c1 < v1 OR c1 > v2
```

```
SELECT * FROM t
WHERE c1 = v1
```

```
SELECT * FROM t
WHERE c1 <> v1
```

SQL TABLE STATEMENTS

```
CREATE TABLE t(
c1 dt1(l1),
c2 dt2(l2),
…
)
```

```
DROP TABLE t
```

```
ALTER TABLE t
ADD COLUMN c dt(l)
```

```
ALTER TABLE t
DROP COLUMN c
```

SQL VIEW STATEMENTS

```
CREATE UNIQUE
INDEX idx ON t(c1,c2..)
```

```
DROP INDEX t.idx
```

SQL JOIN STATEMENTS

```
SELECT * FROM t1
INNER JOIN t2 ON conditions
```

```
SELECT * FROM t
WHERE c1 [NOT ] IN (v1,v2,…)
```

```
SELECT * FROM t1
INNER JOIN t2 ON conditions
WHERE conditions
```

```
SELECT *
FROM t1, t2
WHERE conditions
```

```
SELECT * FROM t1
LEFT JOIN t2 ON conditions
```

```
SELECT * FROM t1
RIGHT JOIN t2 ON conditions
```

```
SELECT * FROM t1
FULL OUTER JOIN t2 ON conditions
```

```
SELECT * FROM t1 AS at1
INNER JOIN t2 AS at2 ON at1.c1 =
at2.c2
```

SQL VIEW STATEMENTS

```
CREATE VIEW vw
AS
SELECT c1,c2
FROM t
```

```
ALTER VIEW vw
AS
SELECT c1,c2
FROM t
```

```
DROP VIEW vw
```

t:table name, c: column name,vw: view name, v: value,dt: data type,l: data type length, at: table alias,aggregate: aggreate function,idx: index name