

## Difference between WHERE and HAVING in SQL

Apart from this key difference we have seen in this article, here are few more differences between WHERE and HAVING clause, which is worth remembering and can be used to compare both of them :

1) Apart from SELECT queries, you can use WHERE clause with UPDATE and DELETE clause but HAVING clause can only be used with SELECT query. For example following query, which involve WHERE clause will work but other which uses HAVING clause will not work :

```
update DEPARTMENT set DEPT_NAME="NewSales" WHERE DEPT_ID=1 ; // works fine
```

```
update DEPARTMENT set DEPT_NAME="NewSales" HAVING DEPT_ID=1 ; // error
```

```
Incorrect syntax near the  
keyword 'HAVING'. : update DEPARTMENT set DEPT_NAME='NewSales' HAVING DEPT_ID=1
```

2) WHERE clause is used for filtering rows and it applies on each and every row, while HAVING clause is used to filter groups in SQL.

3) One syntax level **difference between WHERE and HAVING clause** is that, former is used before GROUP BY clause, while later is used after GROUP BY clause.

4) When WHERE and HAVING clause are used together in a SELECT query with aggregate function, WHERE clause is applied first on individual rows and only rows which pass the condition is included for creating groups. Once group is created, HAVING clause is used to filter groups based upon condition specified.

That's all on difference between WHERE and HAVING clause in SQL. As I said this is very popular question and you can't afford not to prepare it. Always remember key difference between WHERE and HAVING clause in SQL, if WHERE and HAVING clause is used together, first WHERE clause is applied to filter rows and only after grouping HAVING clause is applied.