

# CREATING A TABLE IN SQL

## Description

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Tables are a basic unit of organization and storage of data in SQL. Each table has an name such as a author, book\_mast, purchase or orders. A table is similar to a file in a non-database system.

Tables are organized into rows and columns. Each row represents a record, and each column can be thought of as representing a component of that record.

## Syntax

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```
CREATE TABLE <table_name>(
;column1  data_type[(size)],
;column2  data_type[(size)],
...);
```

## Parameters

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Name	Description
table_name	Name of the table where data is stored.
column1,column2	Name of the columns of a table.
<a href="#">data type</a>	Char, varchar, integer, decimal, date and more.
size	Maximum length of the column of a table.

## Sql create table basic statement

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The following will describe, how a simple table can be created.

## Example

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The following example creates a table. Here is the field name and [data types](#) :

Field Name	Data Type	Size	Decimal Places	NULL
agent_code	char	6		No
agent_name	char	40		No
working_area	char	35		No
commission	decimal	10	2	No
phone_no	char	15		Yes

the following sql statement can be used :

[view plainprint?](#)

```

1. CREATE TABLE mytest(
2. agent_code char(6),
3. agent_name char(40),
4. working_area char(35),
5. commission decimal(10,2),
6. phone_no char(15) NULL);

```

To see the structure of the created table :

DESCRIBE mytest;

## Output

Object Type **TABLE** Object **MYTEST**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MYTEST	<u>AGENT_CODE</u>	Char	6	-	-	-	✓	-	-
	<u>AGENT_NAME</u>	Char	40	-	-	-	✓	-	-
	<u>WORKING_AREA</u>	Char	35	-	-	-	✓	-	-
	<u>COMMISSION</u>	Number	-	10	2	-	✓	-	-
	<u>PHONE_NO</u>	Char	15	-	-	-	✓	-	-
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Outputs of the said SQL statement shown here is taken by using Oracle Database 10g Express Edition.

Source : <http://www.w3resource.com/sql/creating-and-maintaining-tables/sql-create-table.php>