

Create a Table

1. I am going to create this table from the command line:

Table Movies

movieid		title	year	genre
<i>int</i>	<i>auto_increment</i>	<i>varchar(50)</i>	<i>int</i>	<i>varchar(20)</i>

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The *auto_increment* modifier directs the database to take care of assigning unique numbers to the *movieid* field.

I will also make *movieid* the table's primary key.

```
CREATE TABLE movies (movieid int  
auto_increment, title varchar(50), year int,  
genre varchar(20), primary key(movieid) );
```

Insert Records (Rows)

2. I will add three records. The table will look like this when I finish:

movieid	title	year	genre
1	Jaws	1975	Drama
2	Star Wars	1977	Science Fiction
3	Lord of the Rings	2001	Fantasy


```
INSERT into movies (movieid,title,year,genre)  
VALUES(null, 'Jaws', 1975, 'Drama');
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Fiction');
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INSERT into movies (movieid,title,year,genre)  
VALUES(null, 'Lord of the Rings', 2001,  
'Drama');
```

Update/Edit Records (Rows)

**3. I would like to modify the last record (movieid = 3).
I want to change the title.**

movieid	title	year	genre
1	Jaws	1975	Drama
2	Star Wars	1977	Science Fiction
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Change this:

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Change this:

movieid	title	year	genre
1	Jaws	1975	Drama
2	Star Wars	1977	Science Fiction
3	Lord of the Rings	2001	Fantasy



To this:

movieid	title	year	genre
1	Jaws	1975	Drama
2	Star Wars	1977	Science Fiction
3	Lord of the Rings: The Fellowship of the Ring	2001	Fantasy

```
UPDATE movies SET title= 'Lord of the Rings:  
Fellowship of the Ring' where movieid = 3;
```

4. I would like to modify the table Movies, adding a field named “director”. It will have a data type of int.

movieid	title	year	genre
1	Jaws	1975	Drama
2	Star Wars	1977	Science Fiction
3	Lord of the Rings: The Fellowship of the Ring	2001	Fantasy

4. I would like to modify the table Movies, adding a field named “director”. It will have a data type of int.

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movieid	title	year	genre
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To this:

movieid	title	year	genre	director
1	Jaws	1975	Drama	
2	Star Wars	1977	Science Fiction	
3	Lord of the Rings: The Fellowship of the Ring	2001	Fantasy	

```
ALTER TABLE movies ADD director int;
```


On second thought, the “director” field should have a data type of varchar(30).

Here is how I modify it:

```
ALTER TABLE movies MODIFY director varchar(30);
```

There are many other ways to alter tables in a database. If you have a need, just Google your need + the term MySQL to determine to correct syntax to use!