

MySQL: Update

```
2 • SELECT *
3   FROM player;
4
5 • UPDATE player
6   SET first_name = 'The Chosen One'
7   WHERE player_id = 231;
8
```

Result Grid | Filter Rows: | Edit: | Export

	player_id	first_name	last_name	team_id
▶	123	Cedric	Diggory	3
	209	Jason	Samuels	4
	221	Anthony	Rickett	3
	231	The Chosen One	Potter	1

MySQL: Delete

```
6   SET first_name = 'The Chosen One'
7   WHERE player_id = 231;
8
9 • DELETE FROM player
10  WHERE first_name = 'The Chosen One';
11
12
```

Result Grid | Filter Rows: | Edit: | Export/Import:

	player_id	first_name	last_name	team_id
▶	123	Cedric	Diggory	3
	209	Jason	Samuels	4
	221	Anthony	Rickett	3
	281	Heidi	Macavoy	3
	321	Malcom	Preece	3
	456	Ronald	Weasley	1

MySQL: Insert

```
1 • USE pysports;
2 • SELECT *
3 FROM player;
4
5 • INSERT INTO player(player_id, first_name, last_name, team_id)
6     VALUES(231, 'Harry', 'Potter', 1);
7
```

result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Cont

player_id	first_name	last_name	team_id
221	Anthony	Rickett	3
281	Heidi	Macavoy	3
321	Malcom	Preece	3
456	Ronald	Weasley	1
649	James	Malfoy	2

Python Script

```
import mysql.connector

db= mysql.connector.connect(
    host="localhost",
    user="root",
    password= "Luffy2209A@@",
    database= "pysports"
)

sql = """INSERT INTO player (player_id, first_name, last_name, team_id) VALUES (240, "James", "Potter", 1)"""

mycursor= db.cursor()
mycursor.execute(sql)

db.commit()

print(cursor.rowcount, "Record inserted.")

cursor.close()

sql = "SELECT * from player"
cursor = db.cursor()
cursor.execute(sql)
records = cursor.fetchall()

cursor = db.cursor()

sql ="SELECT\
player_id, first_name, last_name, team_name \
FROM player\
INNER JOIN team\
ON player.team_id = team.team_id"
```

Python Script

```
import mysql.connector
```

```
db= mysql.connector.connect(
    host="localhost",
    user="root",
    password= "Luffy2209A@@",
```

```

        database= "pysports"
    )

#Update the database pysports in the player table by changing Harry Potter to The Chosen One Potter
mycursor = db.cursor()
sql = """UPDATE player SET team_id= "1", first_name= "Harry", last_name= "Potter" WHERE first_name= "The
Chosen One"""

sql ="SELECT player_id, first_name, last_name, team_name FROM player INNER JOIN team\
ON player.team_id = team.team_id"

mycursor.execute(sql)

#print the results of the update
info = mycursor.fetchall();
print("—————Displaying Update Info—————")
for team in info:
    print ("Player Id: {}".format (team[1]))
    print ("First Name: {}".format (team[2]))
    print ("Last Name: {}".format (team[3]))
    print ("Team Name: {}".format (team[4]))
    print()
    print ()

#Delete from the player table the update of The Chosen One Potter
mycursor = db.cursor()
sql = """DELETE FROM player WHERE team_id= "1", first_name= "The Chosen One", last_name= "Potter"""
sql ="SELECT player_id, first_name, last_name, team_name FROM player INNER JOIN team\
ON player.team_id = team.team_id"

cursor.execute(sql)

#print the results of the deletion

info = mycursor.fetchall();
print("—————Displaying Deletion Info—————")
for team in info:
    print ("Player Id: {}".format (team[1]))
    print ("First Name: {}".format (team[2]))

```

```

print ("Last Name: {}".format (team[3]))
print ("Team Name: {}".format (team[4]))
print()
print ()

```

#Insert in data in the player table of James Potter

```
sql = """INSERT INTO player (player_id, first_name, last_name, team_id) VALUES (240, "James", "Potter", 1)"""
```

```

mycursor= db.cursor()
mycursor.execute(sql )

```

```
db.commit()
```

```

sql ="SELECT player_id, first_name, last_name, team_name FROM player INNER JOIN team\
ON player.team_id = team.team_id"

```

```
info = mycursor.fetchall();
```

```
print("-----Displaying Insert Info-----")
```

```
for team in info:
```

```

    print ("Player Id: {}".format (team[1]))
    print ("First Name: {}".format (team[2]))
    print ("Last Name: {}".format (team[3]))
    print ("Team Name: {}".format (team[4]))
    print()
    print ()

```

```

34 cursor.execute(sql)
35
36 #print the results of the deletion
37
38 info = mycursor.fetchall()
39 print("-----Displaying Deletion Info-----")
40 for team in info:
41     print ("Player Id: {}".format (team[1]))
42     print ("First Name: {}".format (team[2]))
43     print ("Last Name: {}".format (team[3]))
44     print ("Team Name: {}".format (team[4]))
45     print()
46     print ()
47
48 #Insert in data in the player table of James Potter
49 sql = """INSERT INTO player (player_id, first_name, last_name, team_id) VALUES (240, "James", "Potter", 1)"""
50
51 mycursor= db.cursor()
52 mycursor.execute(sql )
53
54 db.commit()
55
56 sql ="SELECT player_id, first_name, last_name, team_name FROM player INNER JOIN team\
57 ON player.team_id = team.team_id"
58
59 info = mycursor.fetchall()
60 print("-----Displaying Insert Info-----")
61 for team in info:
62     print ("Player Id: {}".format (team[1]))
63     print ("First Name: {}".format (team[2]))
64     print ("Last Name: {}".format (team[3]))
65     print ("Team Name: {}".format (team[4]))
66     print()
67     print ()
68

```

```

1 import mysql.connector
2
3 db= mysql.connector.connect(
4     host="localhost",
5     user="root",
6     password= "Luffy2009@00",
7     database= "pysports"
8 )
9
10 #Update the database pysports in the player table by changing Harry Potter to The Chosen One Potter
11 mycursor = db.cursor()
12 sql = """UPDATE player SET team_id= "1", first_name= "Harry", last_name= "Potter" WHERE first_name= "The Chosen One"""
13
14 sql ="SELECT player_id, first_name, last_name, team_name FROM player INNER JOIN team\
15 ON player.team_id = team.team_id"
16
17 mycursor.execute(sql)
18
19 #print the results of the update
20 info = mycursor.fetchall()
21 print("-----Displaying Update Info-----")
22 for team in info:
23     print ("Player Id: {}".format (team[1]))
24     print ("First Name: {}".format (team[2]))
25     print ("Last Name: {}".format (team[3]))
26     print ("Team Name: {}".format (team[4]))
27     print()
28     print ()
29
30 #Delete from the player table the update of The Chosen One Potter
31 mycursor = db.cursor()
32 sql = """DELETE FROM player WHERE team_id= "1", first_name= "The Chosen One", last_name= "Potter"""
33 sql ="SELECT player_id, first_name, last_name, team_name FROM player INNER JOIN team\
34 ON player.team_id = team.team_id"
35

```

Python Output

-----Displaying Update Info-----

Player Id: 1

First Name: The Chosen One

Last Name: Potter

Team Name: Gryffindor

Player Id: 123

First Name: Cedric

Last Name: Diggory

Team Name: Hufflepuff

Player Id: 209

First Name: Jason

Last Name: Samuels

Team Name: Ravenclaw

Player Id: 221

First Name: Anthony

Last Name: Rickett

Team Name: Hufflepuff

Player Id: 281

First Name: Heidi

Last Name: Macavoy

Team Name: Hufflepuff

Player Id: 321

First Name: Malcom

Last Name: Preece

Team Name: Hufflepuff

First Name: Draco
Last Name: Malfoy
Team Name: Slytherin

Player Id: 548
First Name: Miles
Last Name: Bletchy
Team Name: Slytherin

Player Id: 678
First Name: Grant
Last Name: Page
Team Name: Ravenclaw

Player Id: 708
First Name: Duncan
Last Name: Inglebee
Team Name: Ravenclaw

Player Id: 754
First Name: Gregory
Last Name: Goyle
Team Name: Slytherin

Player Id: 765
First Name: Ginny
Last Name: Weasley
Team Name: Gryffindor

Player Id: 865
First Name: Angela
Last Name: Johnson
Team Name: Gryffindor

Player Id: 908
First Name: Cho
Last Name: Chang
Team Name: Ravenclaw

Player Id: 987
First Name: Marcus
Last Name: Flint
Team Name: Slytherin

-----Displaying Deletion Info-----

Player Id: 123
First Name: Cedric
Last Name: Diggory
Team Name: Hufflepuff

Player Id: 209
First Name: Jason
Last Name: Samuels
Team Name: Ravenclaw

Player Id: 221
First Name: Anthony
Last Name: Rickett
Team Name: Hufflepuff

Player Id: 281
First Name: Heidi
Last Name: Macavoy
Team Name: Hufflepuff

Player Id: 321
First Name: Malcom
Last Name: Preece
Team Name: Hufflepuff

Player Id: 456
First Name: Ronald
Last Name: Weasley
Team Name: Gryffindor

Player Id: 543
First Name: Draco
Last Name: Malfoy
Team Name: Slytherin

Player Id: 548
First Name: Miles
Last Name: Bletchy
Team Name: Slytherin

Player Id: 678
First Name: Grant
Last Name: Page
Team Name: Ravenclaw

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First Name: Angela
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First Name: Marcus
Last Name: Flint
Team Name: Slytherin

-----Displaying Deletion Info-----

Player Id: 123
First Name: Cedric
Last Name: Diggory
Team Name: Hufflepuff

Player Id: 209
First Name: Jason
Last Name: Samuels
Team Name: Ravenclaw

Player Id: 221
First Name: Anthony
Last Name: Rickett
Team Name: Hufflepuff

Player Id: 240
First Name: James
Last Name: Potter
Team Name: Gryffindor

Player Id: 281
First Name: Heidi
Last Name: Macavoy
Team Name: Hufflepuff

Player Id: 321
First Name: Malcom
Last Name: Preece
Team Name: Hufflepuff

Player Id: 456
First Name: Ronald
Last Name: Weasley
Team Name: Gryffindor

Player Id: 543
First Name: Draco
Last Name: Malfoy
Team Name: Slytherin

Player Id: 548
First Name: Miles
Last Name: Bletchy
Team Name: Slytherin

First Name: Grant
Last Name: Page
Team Name: Ravenclaw

Player Id: 708
First Name: Duncan
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