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mysql>
mysql>
mysql> -- Assignment 5 Continue
mysql>
mysql> INSERT INTO Books (Title, AuthorID, Publish_Year, Genre) VALUES ('Harry-Potter-Part-1', 1, 2010, 'Urban Fantasy'),
('GOT--Issue-1', 2, 2012, 'Novel'), ('Apple.inc', 2, 2001, 'Novel'), ('HOD-Issue-1', 4, 2014, 'Urban Fantasy'), ('Maha
bharat', 5, 2000, 'Epic Poem'), ('Chatrapati of Maharashtra', 7, 2021, 'Epic Poem');
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails ('Library_DB_Asg'.Books, CONSTRAI
NT 'Books_ibfk_1' FOREIGN KEY ('AuthorID') REFERENCES 'Author' ('AuthorID'))
mysql> INSERT INTO Author (FistName, LastName, BirthDate) VALUES ('J.K.', 'Rowling', '1965-07-31'), ('George', 'Martin',
'1975-03-13'), ('Jason', 'O'Grady', '1986-08-09'), ('J.K.', 'Rowling', '1965-07-31'), ('Ved', 'Vyas', '1000-01-01'), ('
Gajanan', 'Mehendale', '1992-09-24');
ERROR 1054 (42S22): Unknown column 'FistName' in 'field list'
mysql> INSERT INTO Author (FistName, LastName, BirthDate) VALUES ('J.K.', 'Rowling', '1965-07-31'), ('George', 'Martin',
'1975-03-13'), ('Jason', 'O'Grady', '1986-08-09'), ('J.K.', 'Rowling', '1965-07-31'), ('Ved', 'Vyas', '1000-01-01'), ('
Gajanan', 'Mehendale', '1992-09-24');
Query OK, 6 rows affected (0.12 sec)
Records: 6 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM Author;
+-----+-----+-----+-----+
| AuthorID | FistName | LastName | BirthDate |
+-----+-----+-----+-----+
| 1 | J.K. | Rowling | 1965-07-31 |
| 2 | George | Martin | 1975-03-13 |
| 3 | Jason | O'Grady | 1986-08-09 |
| 4 | J.K. | Rowling | 1965-07-31 |
| 5 | Ved | Vyas | 1000-01-01 |
| 6 | Gajanan | Mehendale | 1992-09-24 |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> DELETE FROM Author WHERE AuthorID=4;
```

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cloud4.rpsconsulting.in/console/#/client/MT4AGMABXlzcWw=
Aug 6 19:47
root@rps-Ubuntu: ~

Query OK, 6 rows affected (0.12 sec)
Records: 6 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM Author;
+-----+-----+-----+-----+
| AuthorID | FirstName | LastName | BirthDate |
+-----+-----+-----+-----+
| 1 | J.K. | Rowling | 1965-07-31 |
| 2 | George | Martin | 1975-03-13 |
| 3 | Jason | O'Grady | 1986-08-09 |
| 4 | J.K. | Rowling | 1965-07-31 |
| 5 | Ved | Vyas | 1000-01-01 |
| 6 | Gajanan | Mehendale | 1992-09-24 |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> DELETE FROM Author WHERE AuthorID=4;
Query OK, 1 row affected (0.07 sec)

mysql> SELECT * FROM Author;
+-----+-----+-----+-----+
| AuthorID | FirstName | LastName | BirthDate |
+-----+-----+-----+-----+
| 1 | J.K. | Rowling | 1965-07-31 |
| 2 | George | Martin | 1975-03-13 |
| 3 | Jason | O'Grady | 1986-08-09 |
| 5 | Ved | Vyas | 1000-01-01 |
| 6 | Gajanan | Mehendale | 1992-09-24 |
+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> INSERT INTO Books (Title, AuthorID, Publish_Year, Genre) VALUES ('Harry-Potter-Part-1', 1, 2010, 'Urban Fantasy')
, ('GOT-Issue-1', 2, 2012, 'Novel'), ('Anne-ine', 3, 2001, 'Novel'), ('HOD-Issue-1', 2, 2014, 'Urban Fantasy'), ('Maha
```

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cloud4.rpsconsulting.in/console/#/client/MT4AGMABXlzcWw=
Aug 6 19:47
root@rps-Ubuntu: ~

mysql> SELECT * FROM Author;
+-----+-----+-----+-----+
| AuthorID | FirstName | LastName | BirthDate |
+-----+-----+-----+-----+
| 1 | J.K. | Rowling | 1965-07-31 |
| 2 | George | Martin | 1975-03-13 |
| 3 | Jason | O'Grady | 1986-08-09 |
| 5 | Ved | Vyas | 1000-01-01 |
| 6 | Gajanan | Mehendale | 1992-09-24 |
+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> INSERT INTO Books (Title, AuthorID, Publish_Year, Genre) VALUES ('Harry-Potter-Part-1', 1, 2010, 'Urban Fantasy'),
('GOT--Issue-1', 2, 2012, 'Novel'), ('Apple.inc', 3, 2001, 'Novel'), ('HOD-Issue-1', 2, 2014, 'Urban Fantasy'), ('Maha
bharat', 5, 2000, 'Epic Poem'), ('Chatrapati of Maharashtra', 6, 2021, 'Epic Poem');
Query OK, 6 rows affected (0.16 sec)
Records: 6 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM Books;
+-----+-----+-----+-----+-----+
| BookID | Title | AuthorID | Publish_Year | Genre |
+-----+-----+-----+-----+-----+
| 7 | Harry-Potter-Part-1 | 1 | 2010 | Urban Fantasy |
| 8 | GOT--Issue-1 | 2 | 2012 | Novel |
| 9 | Apple.inc | 3 | 2001 | Novel |
| 10 | HOD-Issue-1 | 2 | 2014 | Urban Fantasy |
| 11 | Mahabharat | 5 | 2000 | Epic Poem |
| 12 | Chatrapati of Maharashtra | 6 | 2021 | Epic Poem |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql>
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```
mysql> SELECT * FROM Books;
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6 rows in set (0.00 sec)
```

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	Books	NULL	ALL	NULL	NULL	NULL	NULL	6	16.67	Using where

```
1 row in set, 1 warning (0.01 sec)
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Query OK, 0 rows affected (0.34 sec)

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mysql> EXPLAIN SELECT * FROM Books WHERE Title='Apple.inc';
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id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	Books	NULL	ref	title_idx	title_idx	403	const	1	100.00	NULL



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cloud4.rpsconsulting.in/console/#/client/MT14AGMABX1zcWw=
Aug 6 19:53
root@rps-Ubuntu: ~

+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | select_type | table | partitions | type | possible_keys | key | key_len | ref | rows | filtered | Extra |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | SIMPLE | Books | NULL | ALL | NULL | NULL | NULL | NULL | 6 | 16.67 | Using where |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set, 1 warning (0.01 sec)

mysql> CREATE INDEX title_idx ON Books(Title);
Query OK, 0 rows affected (0.34 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> EXPLAIN SELECT * FROM Books WHERE Title='Apple.inc';
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | select_type | table | partitions | type | possible_keys | key | key_len | ref | rows | filtered | Extra |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | SIMPLE | Books | NULL | ref | title_idx | title_idx | 403 | const | 1 | 100.00 | NULL |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set, 1 warning (0.00 sec)

mysql> DROP INDEX title_idx ON Books;
Query OK, 0 rows affected (0.73 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> EXPLAIN SELECT * FROM Books WHERE Title='Apple.inc';
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | select_type | table | partitions | type | possible_keys | key | key_len | ref | rows | filtered | Extra |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | SIMPLE | Books | NULL | ALL | NULL | NULL | NULL | NULL | 6 | 16.67 | Using where |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set, 1 warning (0.00 sec)

mysql>
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cloud4.rpsconsulting.in/console/#/client/MTI4AGMABXlzcWw=
Aug 6 20:25
root@rps-Ubuntu: ~

Database changed
mysql> SHOW TABLES;
+-----+
| Tables_in_Employee |
+-----+
| Emp_Details         |
+-----+
1 row in set (0.00 sec)

mysql> SHOW FIELDS FROM Emp_Details;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| emp_id     | int       | YES  |     | NULL    |       |
| emp_name   | varchar(255) | YES  |     | NULL    |       |
| emp_city   | varchar(255) | YES  |     | NULL    |       |
| emp_email  | varchar(255) | YES  |     | NULL    |       |
| age        | int       | YES  |     | NULL    |       |
| department | varchar(255) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> CREATE USER 'tempUser'@'localhost' IDENTIFIED BY 'password1234';
Query OK, 0 rows affected (0.16 sec)

mysql> GRANT SELECT, INSERT, UPDATE, DELETE ON Employee.* TO 'tempUser'@'localhost';
Query OK, 0 rows affected (0.11 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)

mysql>
```