Fundamentals of Data Management

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Pass Task 8.1.4

a)

Using the supplied tables, the following values were added:

```
1   INSERT into Purchase (custName, shipDate, orderedDate) VALUES ('Max Wang', '2016-05-12', '2016-05-
    12');
2   INSERT into PurchasedItem  VALUES (1, 113, 'AProduct', 1, 100);
```

The delete code is as follows:

```
1   delete from Purchase where purchaseID=1;
```

The error given:

```
1   Error Code: 1451. Cannot delete or update a parent row: a foreign key constraint fails
    (`salesordersexample`.`purchaseditem`, CONSTRAINT `purchaseditem_ibfk_1` FOREIGN KEY (`purchaseID`)
    REFERENCES `purchase` (`purchaseID`))
2
```

To solve this issue, we'll have to delete the child rows first through the foreign key constraint, and then delete the parent row:

```
1   delete from PurchasedItem where purchaseID=1;
2   delete from Purchase where purchaseID=1;
```

This gives the following output:

✓	43	11:16:46	delete from PurchasedItem where purchaseID=1	1 row(s) affected
✓	44	11:16:46	delete from Purchase where purchaseID=1	1 row(s) affected

Indicating successful deletion