

Perform DML Using External ID

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If you want to create a Contact associate with an Account without using AccountId field then you must have an External Id on Account object in order to create a Contact record.

It is not Efficient Code:

The following code is creating a Contact record by querying an Account record. However, because it uses a SOQL query, it is not as efficient. If this code was called multiple times, it could reach the execution limit for the maximum number of SOQL queries.

Sample Code:

```
Account refAcct = [SELECT Id FROM Account WHERE externalId__c='12345' LIMIT 1];  
Contact c = new Contact(Account = refAcct.Id);  
insert c;
```

Efficient Code:

The following code is equivalent to the code above. However, because it does not use a SOQL query, it is efficient.

Sample Code:

```
Account refAcct = new Account(externalId__c = '12345');  
Contact c = new Contact(Account = refAcct, LastName = 'Kay');  
insert c;
```

Note: This inserts a new contact with the AccountId equal to the account with the external_id equal to '12345'. If there is no such account, the insert fails.