

```
getValueAt::withAttributes::usePositions::
    drawFieldAt::inside:inView:withAttributes::
        usePositions::
```

```
Batching format requests beginBatching:
    resetBatching:
    endBatching
```

```
beginBatching:(id <DBTableVectors>)attrs
```

Tells the DBFormatter that a formatting session is about to begin. You never invoke this method directly it's invoked automatically by the DBTableView just before it sends the first in a series of drawFieldAt:... messages. The end of the formatting session is signalled by the endBatching message and it's restarted through resetBatching:.

The default implementation of beginBatching: does nothing. You can reimplement this method in a subclass to perform pre-formatting initialization. The return value is ignored. The argument to this method (and to resetBatching:) is currently unused (it's always nil).

```
drawFieldAt:(unsigned int)row
    :(unsigned int)column
    inside:(NXRect *)frame
    inView:view
    withAttributes:(id <DBTableVectors>)rowAttrs
    :(id <DBTableVectors>)columnAttrs
    usePositions:(BOOL)useRow
    :(BOOL)useColumn
```

Retrieves a value from the data source, formats it, and displays it. The DBFormatter implementation of this actually does nothing and returns self it's up to the subclasses to implement this method in meaningful ways.

Typically, an implementation follows these steps:

endBatching

Notifies the DBFormatter that a formatting session is over. See the beginBatching: method for more info.
beginBatching:, resetBatching:

```
getValueAt:(unsigned int) row  
:(unsigned int) column  
withAttributes:(id <DBTableVectors>) rowAttrs  
:(id <DBTableVectors>) columnAttrs  
usePositions:(BOOL) useRowPos  
:(BOOL) useColumnPos
```

Retrieves a value from the data source, places it in the DBFormatter's value instance variable, and returns it. You never invoke this method from your application however, if you create a subclass of DBFormatter you need to invoke it from the implementation of drawFieldAt:..., as explained in the description of the DBFormatter class. You shouldn't need to reimplement this method in a subclass.

```
resetBatching:(id <DBTableVectors>)attrs
```

Tells the DBFormatter to restart a formatting session. See the beginBatching: method for more info.
beginBatching:, endBatching