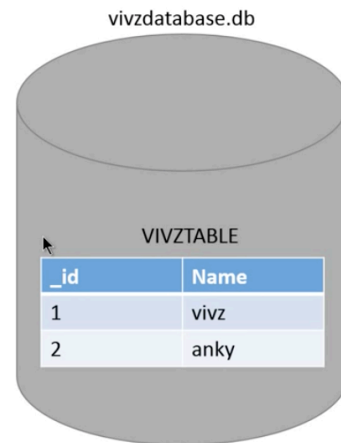


Android SQLite Query SELECT

Query Method 1

Query method #1

- `VivzHelper helper=new VivzHelper(context);`
 - `SQLiteDatabase db=helper.getWritableDatabase();`
 - `String query="SELECT _id, Name FROM VIVZTABLE"`
 - `Cursor cursor=db.rawQuery(query, null);`
-
- `public Cursor rawQuery (String sql, String[] selectionArgs)`
 - `sql= query WITHOUT ;`
 - **selectionArgs**=You may include ? in where clause in the query, which will be replaced by the values from selectionArgs. The values will be bound as Strings.
 - **Cursor**=A Cursor object, which is positioned before the first entry.

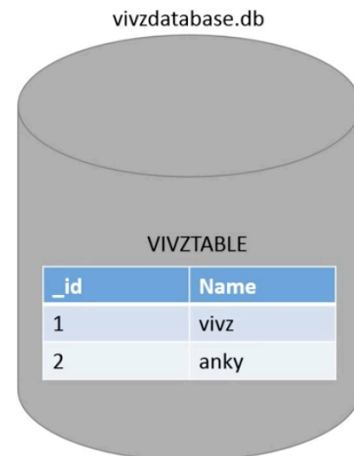


android.database.Cursor

Cursor object is a way for you to navigate from the returned subset of the table

android.database.Cursor

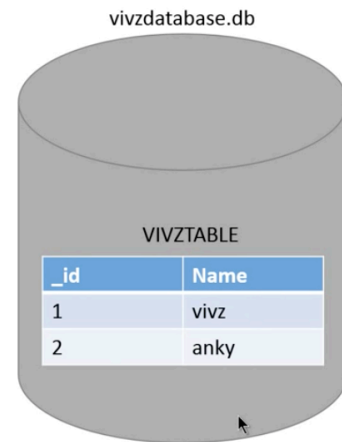
- Provides random read-write access to the result set returned by a database query.
- Cursor implementations are not required to be synchronized so code using a Cursor from multiple threads should perform its own synchronization
- `String getColumnName (int columnIndex)`
- `int getCount ()`
- `get....(int columnIndex)`
- `boolean moveToNext ()`



Android recommended way of doing SELECT

Query method #2

- **"SELECT _id, Name FROM VIVZTABLE"**
- **Cursor query** (**String table**, **String[] columns**, **String selection**, **String[] selectionArgs**, **String groupBy**, **String having**, **String orderBy**)
- **table**= name of Table
- **columns**= list of columns to process, null returns all
- **selection, selectionArgs, groupBy, having, orderBy**= extra conditions on the SQL statement to return rows satisfying certain criteria
- **String[] columns**= {VivzHelper.NAME};
- `db.query(VivzHelper.TABLE_NAME, columns, null, null, null, null, null);`



How to process the result

How to process the results?

Cursor is positioned before first element



Call `moveToNext()`, if results are not empty
And we are not at the bottom, it returns true,
Otherwise returns false

_id	Name
1	vivz
2	anky

```
while (cursor.moveToNext()) {  
    int cid=cursor.getInt(index1);  
    String name=cursor.getString(index2);  
}
```

