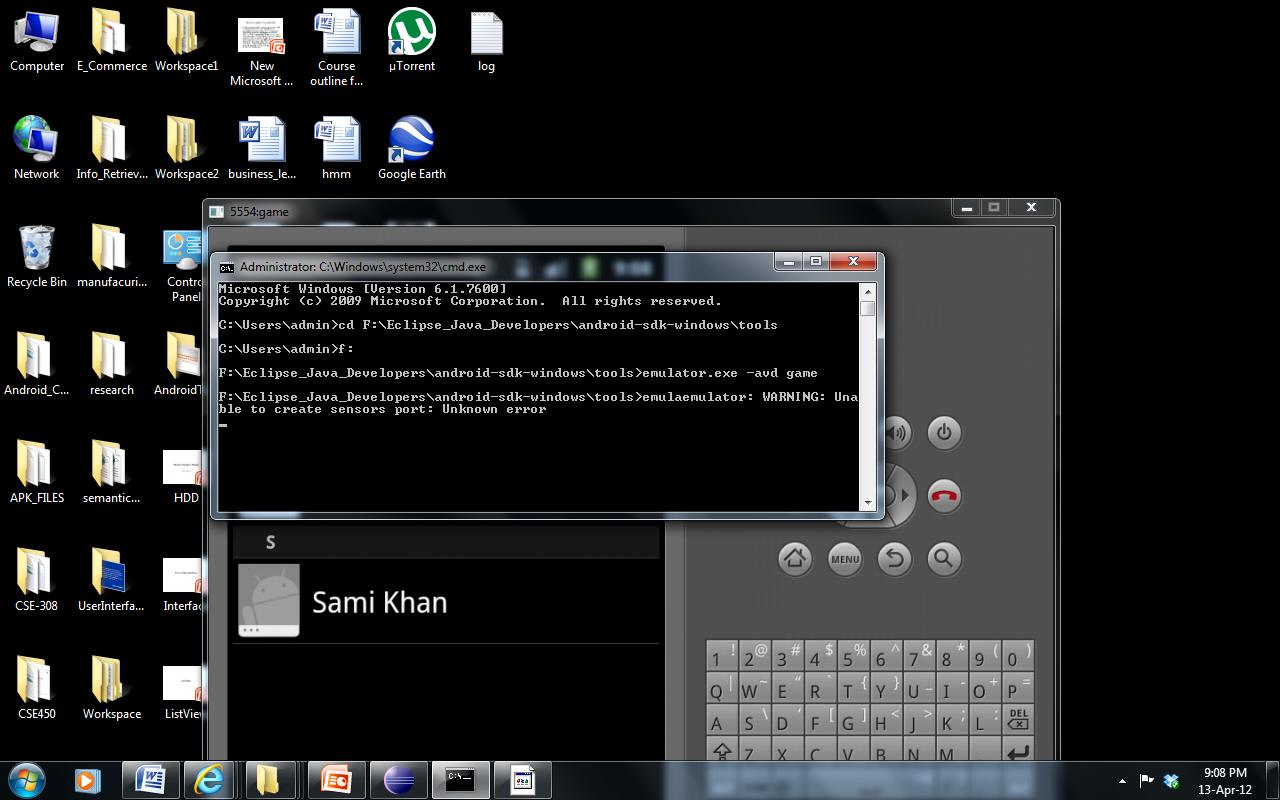
**ACTIVITY 10 (Content Provider)**

**Step 1)**  launch your emulator without using eclipse, you can use command line like this.



**Step 2 :-**

**Add some contacts in the “contacts” application of you emulator**

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**Step 3 Using the “Contact” Content Provider**

1. **Create a new android project ,”pk.edu.iba.ContentProvider” with the Activity Name “ContactsView”.**
2. Change the layout file "main.xml" in the folder "res/layout". Rename the ID of the existing TextView to "contactview". Delete the default text. Also change the layout\_height to "fill\_parent". Like this in figure below.
3. <?xml version="1.0" encoding="utf-8"?>
4. <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
5. android:layout\_width="fill\_parent"
6. android:layout\_height="fill\_parent"
7. android:orientation="vertical" >
8. <TextView
9. android:id="@+id/contactview"
10. android:layout\_width="fill\_parent"
11. android:layout\_height="fill\_parent" />
12. </LinearLayout>

**3)** Access to the contact ContentProvider requires a certain permission, as not all applications should have access to the contact information. Open the "AndroidManifest.xml" file, and select the "Permissions" tab. On that tab click the "Add" button, and select "Uses Permission". From the drop-down list select the entry "android.permission.READ\_CONTACTS".

Change the coding of the activity.

package pk.edu.iba;

import android.app.Activity;

import android.database.Cursor;

import android.net.Uri;

import android.os.Bundle;

import android.provider.ContactsContract;

import android.widget.TextView;

public class ContactsView extends Activity {

/\*\* Called when the activity is first created. \*/

*@Override*

public void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.main);

TextView contactView = (TextView) findViewById(R.id.contactview);

Cursor cursor = getContacts();

while (cursor.moveToNext()) {

String displayName = cursor.getString(cursor

.getColumnIndex(ContactsContract.Data.DISPLAY\_NAME));

contactView.append("Name: ");

contactView.append(displayName);

contactView.append("\n");

}

}

private Cursor getContacts() {

// Run query

Uri uri = ContactsContract.Contacts.CONTENT\_URI;

String[] projection = new String[] { ContactsContract.Contacts.\_ID,

ContactsContract.Contacts.DISPLAY\_NAME };

String selection = ContactsContract.Contacts.IN\_VISIBLE\_GROUP + " = '"

+ ("1") + "'";

String[] selectionArgs = null;

String sortOrder = ContactsContract.Contacts.DISPLAY\_NAME

+ " COLLATE LOCALIZED ASC";

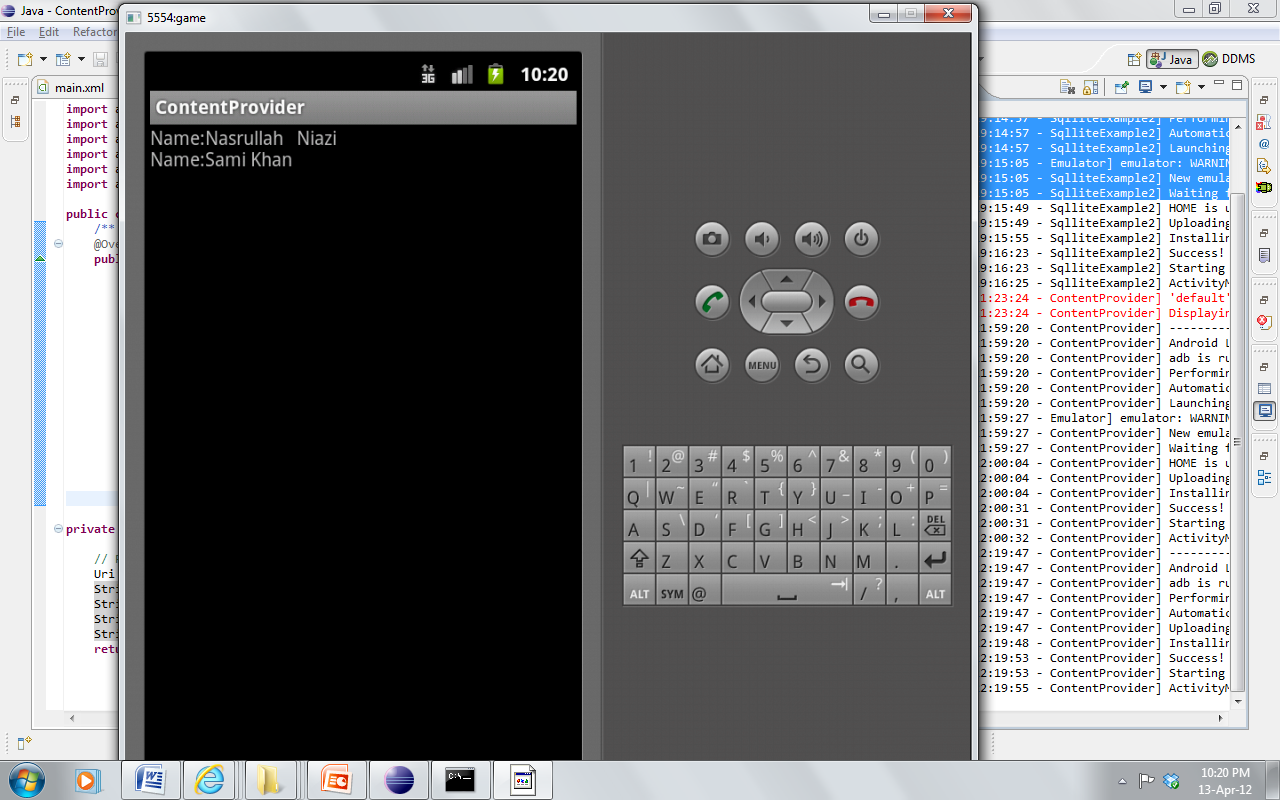
return managedQuery(uri, projection, selection, selectionArgs,

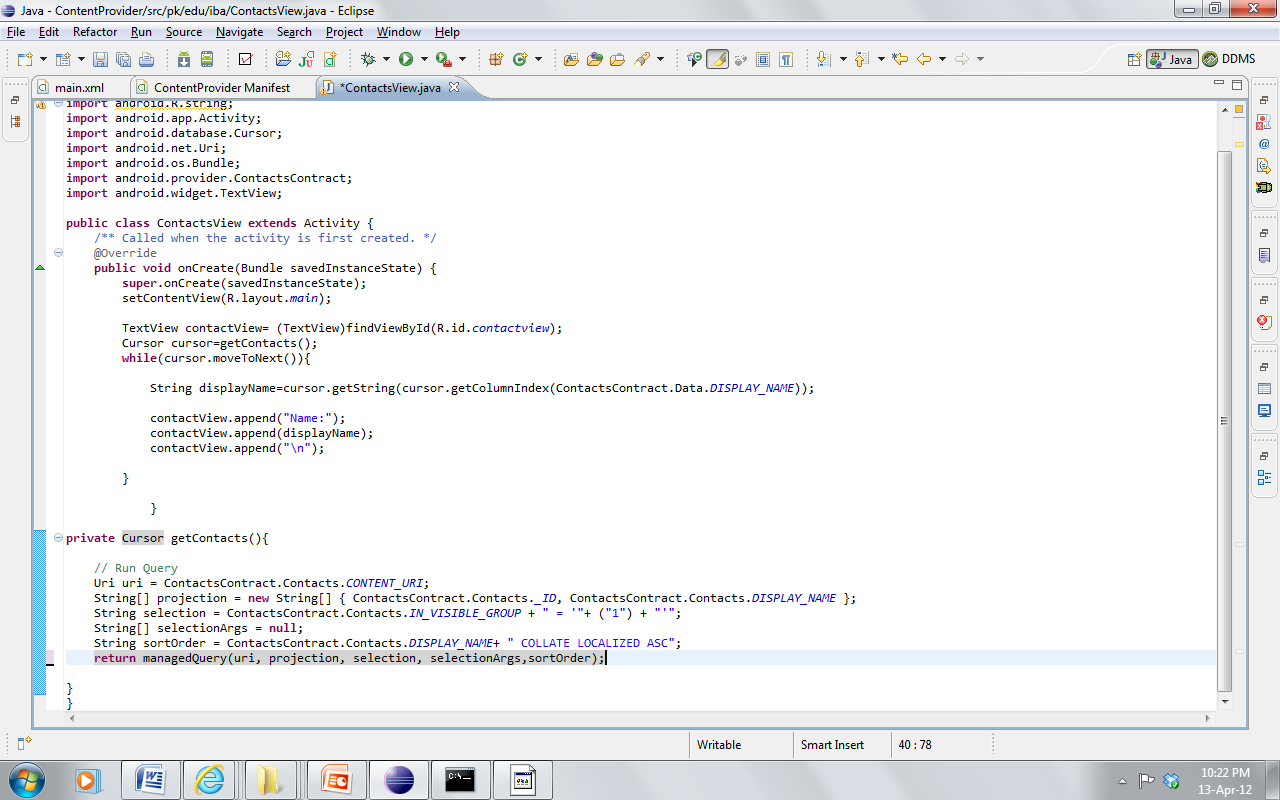
sortOrder);

}

}

If you run this application the data is read from the ContentProvider of the People application and displayed in a TextView. Typically you would display such data in a ListView ,you can practice ListView control instead of TextView,I just did it to make the Activity simple.

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