**Activity 7 (Returning Results from an Intent)**

the startActivity() method invokes another activity but does not return a result to the current activity.eg you may have the activity that prompts the user for the username and password.the information entered by the user in the activity needs to be passed back to the calling activity for further processing.if you need to pass the data back from an activity you should use the startActivityForResult() method.

Step 1)Creat the new android project LinkingActivities name the main activity as in figure below, the following statement are added in the main.xml by default

*://schemas.android.com/apk/res/android"*

android:layout\_width=*"fill\_parent"*

android:layout\_height=*"fill\_parent"*

android:orientation=*"vertical"* >

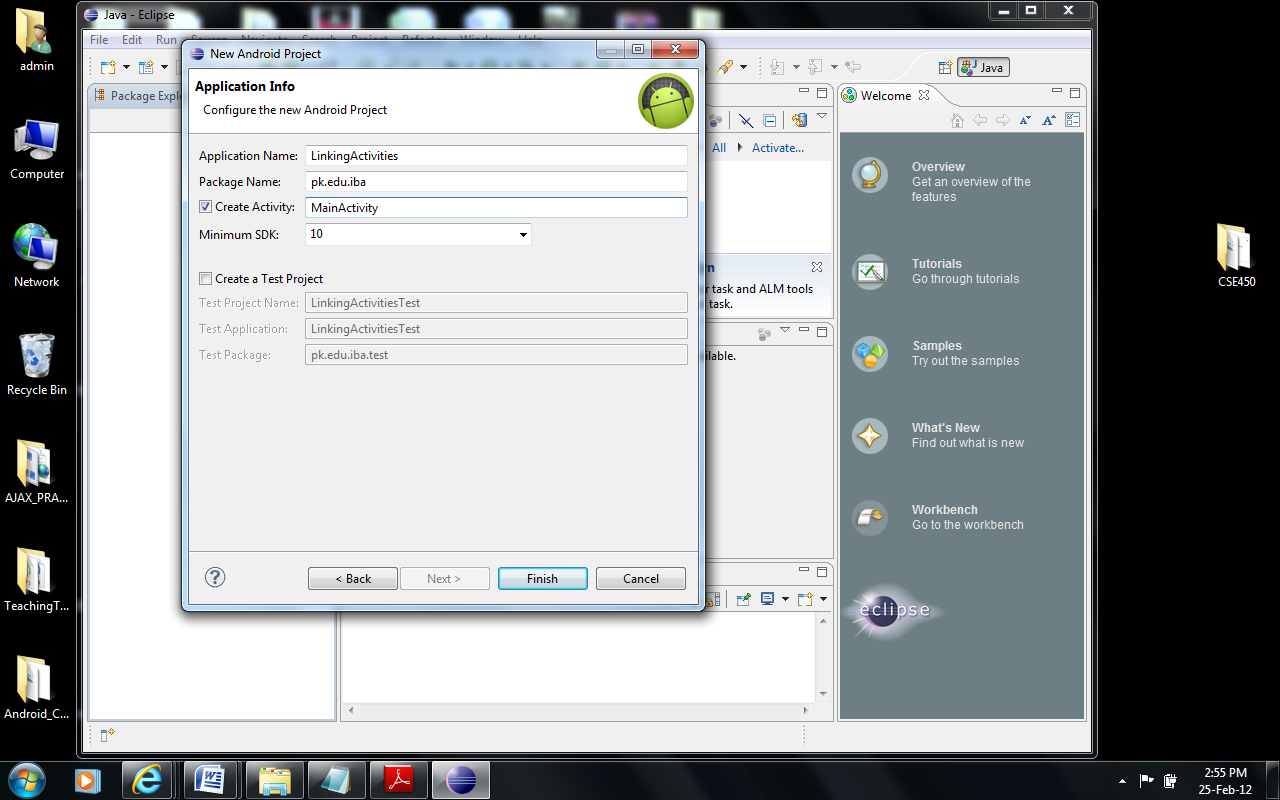
<TextView

android:layout\_width=*"fill\_parent"*

android:layout\_height=*"wrap\_content"*

android:text=*"@string/hello"* />

</LinearLayout>



Step 2)Create an Activity2,describe it in the AndroidManifest.xml,and make its UI and class components like this,

**Activity2.xml**

<?xml version=*"1.0"* encoding=*"utf-8"*?>

<LinearLayout xmlns:android=*"http://schemas.android.com/apk/res/android"*

android:layout\_width=*"fill\_parent"*

android:layout\_height=*"fill\_parent"*

android:orientation=*"vertical"* >

<TextView

android:layout\_width=*"fill\_parent"*

android:layout\_height=*"wrap\_content"*

android:text=*"Please enter your name"* />

<EditText

android:id=*"@+id/txtUsername"*

android:layout\_width=*"match\_parent"*

android:layout\_height=*"wrap\_content"* >

<requestFocus />

</EditText>

<Button

android:id=*"@+id/btnOK"*

android:layout\_width=*"296dp"*

android:layout\_height=*"wrap\_content"*

android:text=*"OK"* />

</LinearLayout>

STEP 2)Add the following statements in to the Activity2.java

**package** pk.edu.iba;

**import** android.app.Activity;

**import** android.net.Uri;

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.Button;

**import** android.widget.EditText;

**import** android.content.Intent;

**public** **class** Activity2 **extends** Activity {

@Override

**public** **void** onCreate(Bundle savedInstanceState){

**super**.onCreate(savedInstanceState);

setContentView(R.layout.*activity2*);

Button btn=(Button)findViewById(R.id.*btnOK*);

btn.setOnClickListener(**new** View.OnClickListener() {

**public** **void** onClick(View v) {

// **TODO** Auto-generated method stub

Intent data= **new** Intent();

EditText txtUsername= (EditText)findViewById(R.id.*txtUsername*);

data.setData(Uri.*parse*(txtUsername.getText().toString()));

setResult(*RESULT\_OK*,data);

finish();

}

});

}

}

Step 3) add the following statement in the MainActiviy.java

**package** pk.edu.iba;

**import** android.app.Activity;

**import** android.os.Bundle;

**import** android.view.KeyEvent;

**import** android.widget.Toast;

**import** android.content.Intent;

**public** **class** MainActivity **extends** Activity {

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

String tag="Events";

**int** request\_Code=1;

@Override

**public** **void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.*main*);

}

@Override

**public** **boolean** onKeyDown(**int** keyCode,KeyEvent event){

**if** (keyCode == KeyEvent.*KEYCODE\_DPAD\_CENTER*){

//startActivity(new Intent("pk.edu.iba.Activity2"));

//startActivity(new Intent(this,Activity2.class));

startActivityForResult(**new** Intent("pk.edu.iba.Activity2"),request\_Code);

}

**return** **false**;

}

**public** **void** onActivityResult(**int** requestcode,**int** resultCode,Intent data){

**if** (requestcode== request\_Code){

**if** (resultCode == *RESULT\_OK*){

Toast.*makeText*(**this**,data.getData().toString(), Toast.*LENGTH\_SHORT*).show();

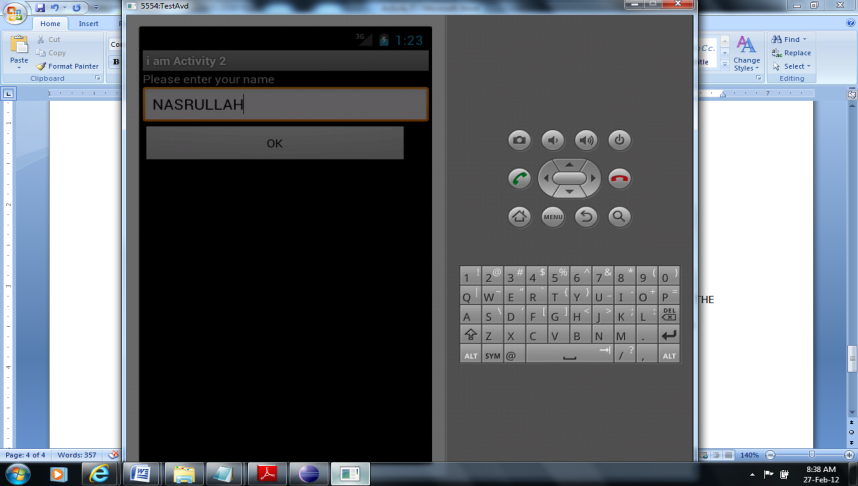
}

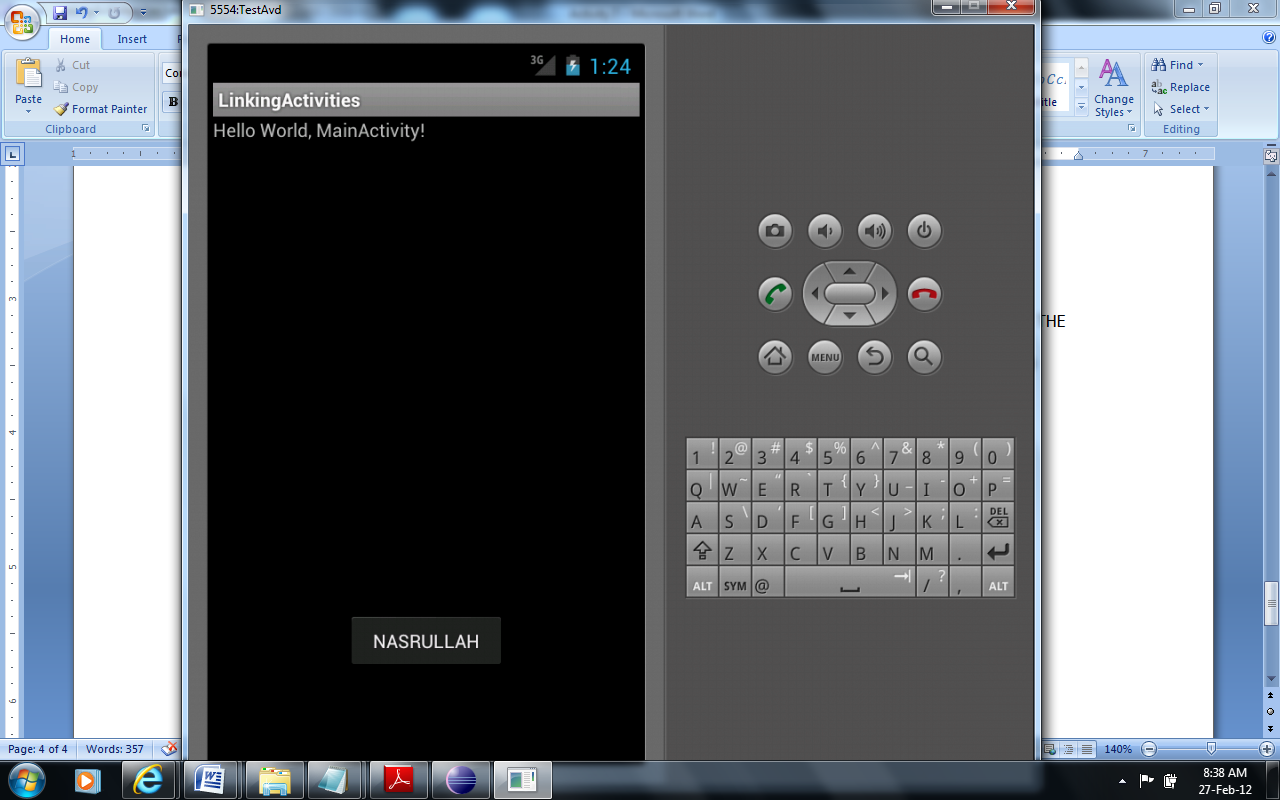
}

}

}

STEP 4)PRESS F11,WHEN THE FIRST ACTIVITY IS LOADED ,PRESS THE CENTERAL BUTTON ON THE DIRECTIONAL PAD,NOW ACTIVITY2 WILL BE LOADED ,ENTER YOUR NAME ,AND CLICK OK BUTTON,NOW YOU WILL SEE THAT THE FIRST ACTIVITY NOW DISPLAYS THE NAME YOU ENTERED USING THE Toast class.





**Notes**

1)to call an activity and to wait for a result to be returned from it you need to use the startActivityForResult() method ,like this