**Activity 5 Displaying a Progess Dialog**

**Main.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=*"@string/hello"* />

<Button

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

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

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

android:text=*"Click to display a Dialog"* />

</LinearLayout>

**package** pk.edu.iba;

**import** android.app.Activity;

**import** android.os.Bundle;

**import** android.app.AlertDialog;

**import** android.app.Dialog;

**import** android.content.DialogInterface;

**import** android.view.View;

**import** android.widget.Button;

**import** android.widget.Toast;

**import** android.app.ProgressDialog;

**import** android.os.Handler;

**import** android.os.Message;

**DialogProgessBarActivity.java**

**public** **class** DialogProgressBarActivity **extends** Activity {

CharSequence[] items={"Google","Apple","Microsoft"};

**boolean**[] itemsChecked=**new** **boolean**[items.length];

**private** ProgressDialog \_progressDialog;

**private** **int** \_progress =0 ;

**private** Handler \_progressHandler;

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

@Override

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

**super**.onCreate(savedInstanceState);

setContentView(R.layout.*main*);

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

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

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

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

showDialog(1);

\_progress=0;

\_progressDialog.setProgress(0);

\_progressHandler.sendEmptyMessage(0);

}

});

\_progressHandler = **new** Handler(){

**public** **void** handleMessage(Message msg) {

**super**.handleMessage(msg);

**if** (\_progress >= 100) {

\_progressDialog.dismiss();

} **else** {

\_progress++;

\_progressDialog.incrementProgressBy(1);

\_progressHandler.sendEmptyMessageDelayed(0, 100);

}

}

};

}

@Override

**protected** Dialog onCreateDialog(**int** id){

**switch**(id){

**case** 1:

\_progressDialog = **new** ProgressDialog(**this**);

\_progressDialog.setIcon(R.drawable.*ic\_launcher*);

\_progressDialog.setTitle("Downloading files...");

\_progressDialog.setProgressStyle(ProgressDialog.*STYLE\_HORIZONTAL*);

\_progressDialog.setButton(DialogInterface.*BUTTON\_POSITIVE*, "Hide", **new**

DialogInterface.OnClickListener() {

**public** **void** onClick(DialogInterface dialog,

**int** which)

{

Toast.*makeText*(getBaseContext(),

"Hide clicked!", Toast.*LENGTH\_SHORT*).show();

}

});

\_progressDialog.setButton(DialogInterface.*BUTTON\_NEGATIVE*, "Cancel", **new**

DialogInterface.OnClickListener() {

**public** **void** onClick(DialogInterface dialog,

**int** which)

{

Toast.*makeText*(getBaseContext(),

"Cancel clicked!", Toast.*LENGTH\_SHORT*).show();

}

});

**return** \_progressDialog;

}

**return** **null**;

}

}