```
- Button, Intent, Bundle
       2
 4
5
10
11
12
               }
\frac{12}{13}
14
        });
@Override
       protected void onActivityResult(int requestCode, int
    resultCode, Intent data) {
    String newNo = data.getStringExtra("_newNo");
    switch (resultCode) {
        case 1:
15
16
17
18
19
       }
}
/*In SecondActivity*/
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_second);
    Bundle bundle = getIntent().getExtras();
    String name = bundle.getString("name");
}

20
21
22
\frac{23}{24}
        Intent intent = new Intent();
intent.putExtra("_newNo", newNo);
int resultCode = 1;
SecondActivity.this.setResult(resultCode, intent);
SecondActivity.this.finish();
\frac{1}{28} 29
              ListView, List, ArrayAdapter
       3
  8
11
        13
14
15
16
                       , View view, int position, long id) {
  try {
    ListView listView = (ListView) parent;
    Fruit fruit = (Fruit) listView.
        getItemAtPosition(position);
    FruitAdapter adapter = (FruitAdapter)
        listView.getAdapter();
    adapter.remove(fruit);
    adapter.notifyDataSetChanged();
    listView.invalidate();
} catch (Exception e) {e.printStackTrace();
    return false;}
return true;
18
19
20
22
24
26
       29
30
31
\frac{32}{33}
               35
37
38
\frac{41}{42}
\frac{43}{44}
        }
              AppWidgetProvider, BroadcastReceiver -
  1
        public class MyWidgetProvider extends AppWidgetProvider
                @Överride
  3
```

6

```
remoteViews.setOnClickPendingIntent(R.id.
    widget_text, pendingIntent);
appWidgetManager.updateAppWidget(appWidgetIds,
    remoteViews);
 8
 9
10
                }
        public class MyBroadcastReceiver extends
12
                14
15
16
                        remoteviews.Setiextviewiext(k.id.widget_text,
    intent.getStringExtra("message"));
AppWidgetManager.getInstance(context).
    updateAppWidget(new ComponentName(context.
    getApplicationContext(), MyWidgetProvider.
    class), remoteViews);
                }
19
20
       21
22
23
\frac{24}{25}
                      sysu)));
To Send a broadcast*,
26
                /* 10 Send a broadcast*/
Intent intent = new Intent(getResources().getString(
    R.string.sysu));
intent.putExtra("message", mainEditText.getText().
    toString());
sendBroadcast(intent);
27
28
29
30
```

```
public class myService extends Service {
   public final IBinder binder = new MyBinder();
   public class MyBinder extends Binder{
     myService getService() {
        return myService.this;
}
 \frac{1}{2}
 5
6
7
8
                      }
              @Override
public IBinder onBind(Intent intent) {
    return binder;
11
12
       private MusicService musicService = new musicService();
private ServiceConnection sc = new ServiceConnection()
    @Override
    public void onServiceConnected(ComponentName
13
14
16
                      componentName, IBinder iBinder) {
musicService = ((MusicService.MyBinder)iBinder).
    getService();
17
               @Override
               20
       24
25
26
               startService(intent);
bindService(intent, sc, this.BIND_AUTO_CREATE);
28
```

 $Shared Preferences,\ Check Box,\ Auto Complete Text View-\\$

```
1
 3
 \frac{\tilde{4}}{5}
             10
11
12
                    }
             }
     });
chboxRem.setChecked(true);
AutoCompleteTextView fileName = (AutoCompleteTextView)
    this.findViewById(R.id.textViewFileName);
fileName.setAdapter(new ArrayAdapter<String>(this,
    android.R.layout.simple_dropdown_item_lline, this.
    filelist()));
14
\frac{15}{16}
17
```

```
public class MyDatabaseHelper extends SQLiteOpenHelper {
    private static final String DB_NAME = "Contacts.db";
    private static final String TABLE_NAME = "Contacts";
    private static final int DB_VERSION = 1;
    public MyDatabaseHelper(Context context) {
        super(context, DB_NAME, null, DB_VERSION);
    }
  3
   6
                               @Override
                               public void onCreate(SQLiteDatabase db) {
    String CREATE TABLE = "create table " +
    TABLE_NAME
10
```

SQLite

```
11
15
                @Override
               public void onUpgrade(SQLiteDatabase db, int
   oldVersion, int newVersion) {
   String DROP TABLE = "DROP TABLE IF EXITS " +
        TABLE NAME;
   db.execSQL(DROP_TABLE);
18
19
                       onCreate(db);
21
               }
public long insert(Contact entity) {
    SQLiteDatabase db = getWritableDatabase();
    ContentValues values = new ContentValues();
    values.put("_no", entity.getNo());
    values.put("_name", entity.getPhoneNumber());
    values.put("_pnumber", entity.getPhoneNumber());
    long id = db.insert(TABLE_NAME, null, values);
    db.close();
    return id;
}
\frac{1}{2}
26
27
28
29
\frac{20}{30}
              34
35
36
39
41
43
                       return rows;
44
45
               46
48
49
                       db.close();
return rows;
              public Cursor query() {
    SQLiteDatabase db = getReadableDatabase();
    return db.query(TABLE_NAME, null, null, null, null, null, null);
53
54
55
       public class MySimpleAdapter extends SimpleAdapter {
   private ArrayList(Map<String, String>> mData;
   public MySimpleAdapter(Context context, List<?
        extends Map<String, ?>> data, int resource,
        String[] from, int[] to) {
        super(context, data, resource, from, to);
        this.mData = (ArrayList<Map<String, String>>)
        data;
60
61
63
               65
68
       69
70
71
72
\frac{74}{75}
       }});
private void setData(List<Map<String, String>> mDataList
82
              84
86
88
90
       93
               MySimpleAdapter(this, datalist, R.layout.
    contact_item,
    new String[] { "no", "name", "pnumber" },
    new int[] { R.id.contact_no, R.id.
        contact_name, R.id.contact_phonenumber
    });
ListView lv = (ListView)this.findViewById(R.id.
    lv_contact);
lv.setAdapter(mySimpleAdapter);
96
97
98
             Message, Handler, Thread, Runnable
```

```
private void aFunction() {
   Thread workThread = new Thread(new Runnable() {
    @Override
 12
 13
 14
                     public void run() {
   Message message = new Message();
   message.what = UPDATE_CONTENT;
   message.obj = parseXMLWithPull(response.toString
15
16
17
                               ());
handler.sendMessage(message);
19
\frac{10}{20}
                     workThread.start();
           public android.os.Handler handler = new android.os.
    Handler();
public Runnable runnable = new Runnable() {
    @Override
    public void run() {
        handler.postDelayed(runnable, 100);
}
   1
          };
handler.removeCallbacks(runnable);
InputMethodManager imm = (InputMethodManager)
    getSystemService(Context.INPUT_METHOD_SERVICE);
if(imm.isActive()) {
    imm.hideSoftInputFromWindow(EditFileActivity.this.
        getCurrentFocus().getWindowToken(),
        InputMethodManager.HIDE_NOT_ALWAYS);
}
           @Override
public boolean onKeyDown(int keyCode, KeyEvent event) {
   if(keyCode == KeyEvent.KEYCODE_BACK) {...}
   return true;
 14
15
\frac{16}{17}
           AlertDialog.Builder builder = new AlertDialog.Builder(
    MainActivity.this);
builder.setMessage("Delete?");
builder.setTitle("Hint");
builder.setTitle("Hint");
builder.setPositiveButton("Confirm", new DialogInterface
 18
19
\frac{20}{21}
                     .OnClickListener() {
@Override
public void onClick(DialogInterface dialogInterface,
    int i) {...}
\frac{22}{23}
           builder.setNegativeButton("Cancel", new DialogInterface.
    OnClickListener() {
25
26
                     @Override
                     28
           f/,
builder.show();
String newNo = "32654984";
newNo.matches("^[1-9]\\d{7}$");
                   AndroidManifest.xml -
          <manifest xmlns:android="http://schemas.android.com/apk/
    res/android" package="com.wsine.west.finalexam" >
<uses—permission android:name="android.permission.
    WRITE_EXTERNAL_STORAGE"/>
<uses—permission android:name="android.permission.
    READ_EXTERNAL_STORAGE"/>
<uses—permission android:name="android.permission.
    ACCESS_NETWORK_STATE"/>
<uses—permission android:name="android.permission.
    INTERNET"/>
<uses—permission android:name="com.android.launcher.
    permission.READ_SETTINGS" />
<uses—permission android:name="android.permission.
    WAKE_LOCK"/>
<uses—permission android:name="android.permission.
    WAKE_LOCK"/>
<uses—permission android:name="android.permission.</pre>

  1
  2
  3
  4
  5
  6
  7
           12
 13
15
17
18
19
                               android:name=".SecondActivity"
android:label="@string/title_activity_detail"
android:launchMode="singleInstance" >
                     </activity>
<service android:name=".MyService" android:exported=
    "true"></service>
\begin{array}{c} 25 \\ 26 \\ 27 \\ 28 \end{array}
                               android:resource="@xml/widget_provider"
            </receiver
</application>
```

private static final int TIME_OUT = 1; private Handler handler = new Handler() {

}

Manute: Manute: Manute: Moverride
Public void handleMessage(Message message) {
switch (message.what) {
case UPDATE_CONTENT: ...
default: super.handleMessage(message);