



W14

strings.xml

```
1  <resources>
2      <string name="app_name">My Java App</string>
3      <string name="name">Input Name</string>
4      <string name="money">Input Money</string>
5      <string name="sure">Sure</string>
6      <string name="cls">Clear</string>
7      <string name="err">error</string>
8      <string name="suc">success</string>
9      <string name="str">Store:</string>
10 </resources>
```

zh-rTW\strings.xml

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <resources>
3      <string name="app_name">我的爪哇應用程式</string>
4      <string name="name">輸入姓名</string>
5      <string name="money">輸入金額</string>
6      <string name="sure">確定</string>
7      <string name="cls">清除</string>
8      <string name="err">錯誤</string>
9      <string name="suc">成功</string>
10     <string name="str">儲存內容:</string>
11 </resources>
```

activity_main.xml

```
9      <TextView
10          android:layout_width="wrap_content"
11          android:layout_height="wrap_content"
12          android:text="@string/name"
13          android:id="@+id/tv1"/>
14
15      <EditText
16          android:id="@+id/ed1"
17          android:layout_width="wrap_content"
18          android:layout_height="wrap_content"
19          android:ems="10"
20          android:layout_toRightOf="@+id/tv1"
21          android:inputType="textPersonName"
22          android:text="" />
23
24      <TextView
25          android:id="@+id/textView"
26          android:layout_width="wrap_content"
27          android:layout_height="wrap_content"
28          android:layout_below="@+id/ed1"
29          android:text="@string/money"/>
30
31      <EditText
32          android:id="@+id/ed2"
33          android:layout_width="wrap_content"
34          android:layout_height="wrap_content"
35          android:ems="10"
36          android:layout_below="@+id/ed1"
37          android:layout_toRightOf="@+id/textView"
38          android:inputType="numberDecimal"
39          android:text="" />
40
41      <Button
42          android:id="@+id/b1"
43          android:layout_width="wrap_content"
44          android:layout_height="wrap_content"
45          android:layout_below="@+id/ed2"
46          android:text="@string/sure"/>
47
48      <Button
49          android:id="@+id/b2"
50          android:layout_width="wrap_content"
51          android:layout_height="wrap_content"
52          android:layout_below="@+id/ed2"
53          android:layout_toRightOf="@+id/b1"
54          android:text="@string/cls"/>
```

```

54 <TextView
55     android:id="@+id/rr"
56     android:layout_width="wrap_content"
57     android:layout_height="wrap_content"
58     android:layout_below="@+id/b1"
59     android:text="@string/str"/>
60
61 <TextView
62     android:id="@+id/res"
63     android:layout_width="wrap_content"
64     android:layout_height="wrap_content"
65     android:layout_below="@+id/rr"
66     android:text="TextView"/>
67 </RelativeLayout>

```

MainActivity.java

```

16 public class MainActivity extends AppCompatActivity implements View.OnClickListener {
17     5 usages
18     EditText e1,e2; Button b1,b2; TextView rr,res; SharedPreferences sp; Date da;
19     protected void onCreate(Bundle savedInstanceState) {
20         super.onCreate(savedInstanceState);
21         setContentView(R.layout.activity_main);
22         e1 = (EditText) findViewById(R.id.ed1);
23         e2 = (EditText) findViewById(R.id.ed2);
24         rr = (TextView) findViewById(R.id.rr);
25         b1 = (Button) findViewById(R.id.b1); b1.setOnClickListener(this);
26         b2 = (Button) findViewById(R.id.b2); b2.setOnClickListener(this);
27         sp = getSharedPreferences( name: "test",MODE_PRIVATE);
28         SharedPreferences.Editor ed = sp.edit(); da = new Date();
29         String n = sp.getString( s: "name", s1: ""); int m = sp.getInt( s: "money", i: 0);
30         e1.setText(n); e2.setText(""+m);
31
32         String dbname = "test", table="cust";
33         res = (TextView) findViewById(R.id.res);
34         SQLiteDatabase db=openOrCreateDatabase(dbname,MODE_PRIVATE, factory: null);
35         String sql="create table if not exists "+table+
36             " (name varchar(32), phone varchar(16), "+"email varchar(32))";
37         db.execSQL(sql);
38         String ss = "db path:"+db.getPath()+"\ndb size:"+db.getMaximumSize()+"\ndb page size:"+
39             db.getPageSize();
40         res.setText(ss); db.close();
41     }
42     protected void onPause() { save(); super.onPause(); }
43     protected void onResume() {
44         SharedPreferences.Editor ed = sp.edit(); da = new Date();
45         String n = sp.getString( s: "name", s1: ""); int m = sp.getInt( s: "money", i: 0);
46         e1.setText(n); e2.setText(""+m); rr.setText("date:" + da.toString());
47         super.onResume();
48     }

```

```

50 public void save() {
51     SharedPreferences.Editor ed=sp.edit();
52     String s1=e1.getText().toString(), s2=e2.getText().toString();
53     if(s1.length() > 0 && s2.length() > 0){
54         String name=s1; int mon=Integer.parseInt(s2); da=new Date();
55         ed.putString(s: "name", name); ed.putInt(s: "money", mon);
56         if(ed.commit()) {
57             Toast.makeText(context: this, getString(R.string.suc), Toast.LENGTH_SHORT).show();
58             rr.setText(getString(R.string.str)+
59                 getString(R.string.suc)+"\n" + "date:" + da.toString()+"\n"+
60                 getString(R.string.name)+":"+name+"\n"+
61                 getString(R.string.money) +":"+s2);
62         }
63         else Toast.makeText(context: this, getString(R.string.err), Toast.LENGTH_SHORT).show();
64     }
65     else Toast.makeText(context: this, getString(R.string.err), Toast.LENGTH_SHORT).show();
66 }
67
68 public void onClick(View view) {
69     if(view == b1) { save(); }
70     if(view == b2){
71         e1.setText(""); e2.setText(""); rr.setText(getString(R.string.str));
72     }
73 }
74 }

```