## java\session2023-2024.java

```
1
    public class MainActivity extends Activity {
 2
        private TextView tvStatus;
 3
        private static final int LOGIN REQUEST = 1;
        @Override
 4
 5
        protected void onCreate(Bundle savedInstanceState) {
 6
            super.onCreate(savedInstanceState);
 7
            setContentView(R.layout.activity main);
 8
            tvStatus = findViewById(R.id.tvStatus);
9
            Button btnLogin = findViewById(R.id.btnLogin);
10
            getFragmentManager().beginTransaction()
                    .add(R.id.fragmentContainer, new Fragment1())
11
12
                    .commit();
13
            btnLogin.setOnClickListener(new View.OnClickListener() {
                @Override
14
15
                public void onClick(View v) {
16
                    Intent intent = new Intent(MainActivity.this, LoginActivity.class);
17
                    startActivityForResult(intent, LOGIN REQUEST);
18
19
            });
20
21
        @Override
22
        protected void onActivityResult(int requestCode, int resultCode, Intent data) {
23
            super.onActivityResult(requestCode, resultCode, data);
24
            if (requestCode == LOGIN REQUEST) {
                if (resultCode == RESULT OK) {
25
26
                    String username = data.getStringExtra("username");
```

```
} else if (resultCode == RESULT CANCELED) {
28
                    tvStatus.setText("You are not connected");
29
30
31
32
33
34
35
    <?xml version="1.0" encoding="utf-8"?>
    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
36
    android:layout width="match parent" android:layout height="match parent"
    android:orientation="vertical" android:padding="16dp">
        <Button android:id="@+id/btnLogin" android:layout width="match parent"</pre>
37
    android:layout height="wrap content" android:text="Login" />
38
        <TextView android:id="@+id/tvStatus" android:layout width="match parent"
    android:layout height="wrap content" android:layout marginTop="16dp" android:textSize="18sp" />
        <FrameLayout android:id="@+id/fragmentContainer" android:layout width="match parent"</pre>
39
    android:layout height="0dp" android:layout weight="1" />
40
    </LinearLayout>
41
42
43
    public class Fragment1 extends Fragment {
44
        @Override
45
        public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle
    savedInstanceState) {
46
            View view = inflater.inflate(R.layout.fragment1, container, false);
47
            Button btnSignUp = view.findViewById(R.id.btnSignUp);
48
            btnSignUp.setOnClickListener(new View.OnClickListener() {
                @Override
49
```

tvStatus.setText(username + " you are connected");

```
50
                public void onClick(View v) {
                    Intent intent = new Intent(getActivity(), SignupActivity.class);
51
52
                    startActivity(intent);
53
                }
54
            });
55
            return view:
56
57
58
59
    <?xml version="1.0" encoding="utf-8"?>
    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
60
    android:layout width="match parent" android:layout height="match parent">
        <Button android:id="@+id/btnSignUp" android:layout width="wrap content"</pre>
61
    android:layout height="wrap content" android:text="Sign Up" />
62
    </LinearLayout>
63
64
65
    public class LoginActivity extends Activity {
66
        private EditText etUsername;
67
        @Override
68
        protected void onCreate(Bundle savedInstanceState) {
69
            super.onCreate(savedInstanceState);
70
            setContentView(R.layout.activity login);
            etUsername = findViewById(R.id.etUsername);
71
72
            Button btnOk = findViewById(R.id.btnOk);
73
            Button btnCancel = findViewById(R.id.btnCancel);
74
            btnOk.setOnClickListener(new View.OnClickListener() {
75
                @Override
76
                public void onClick(View v) {
```

```
78
                     if (username.isEmpty()) {
79
                         Toast.makeText(LoginActivity.this, "Please enter username",
     Toast.LENGTH SHORT).show();
80
                         return;
81
82
                     Intent resultIntent = new Intent();
83
                     resultIntent.putExtra("username", username);
84
                     setResult(RESULT OK, resultIntent);
85
                     finish();
86
87
             });
88
             btnCancel.setOnClickListener(new View.OnClickListener() {
                 @Override
89
                 public void onClick(View v) {
90
91
                     setResult(RESULT CANCELED);
92
                     finish();
93
94
             });
95
96
97
98
     <?xml version="1.0" encoding="utf-8"?>
     <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
99
     android:layout width="match parent" android:layout height="match parent"
     android:orientation="vertical" android:padding="16dp">
         <EditText android:id="@+id/etUsername" android:layout width="match parent"
100
     android:layout height="wrap content" android:hint="Enter username" />
```

String username = etUsername.getText().toString().trim();

```
android:layout marginTop="16dp" android:orientation="horizontal">
             <Button android:id="@+id/btnOk" android:layout width="0dp"</pre>
102
     android:layout height="wrap content" android:layout weight="1" android:text="OK" />
103
             <Button android:id="@+id/btnCancel" android:layout width="0dp"</pre>
     android:layout height="wrap content" android:layout weight="1" android:text="Cancel" />
104
         </LinearLayout>
105
     </LinearLayout>
106
107
108
     public class SignupActivity extends Activity {
109
         private EditText etName;
110
         private RadioButton rbMobile,rbWeb;
111
         private CheckBox cbAgree;
112
         @Override
113
         protected void onCreate(Bundle savedInstanceState) {
114
             super.onCreate(savedInstanceState);
115
             setContentView(R.layout.activity signup);
116
             etName = findViewById(R.id.etName);
117
             rbMobile = findViewById(R.id.rbMobile);
118
             rbWeb = findViewById(R.id.rbWeb);
119
             cbAgree = findViewById(R.id.cbAgree);
120
             Button btnNext = findViewById(R.id.btnNext);
             btnNext.setOnClickListener(new View.OnClickListener() {
121
122
                 @Override
123
                 public void onClick(View v) {
124
                     String name = etName.getText().toString().trim();
125
                     if (name.isEmpty()) {
```

<LinearLayout android:layout width="match parent" android:layout height="wrap content"</pre>

```
Toast.LENGTH SHORT).show();
127
                         return:
128
129
                     if (!rbMobile.isChecked() && !rbWeb.isChecked()) {
130
                         Toast.makeText(SignupActivity.this, "Please select app type",
     Toast.LENGTH SHORT).show();
131
                         return;
132
133
                     String appType = rbMobile.isChecked() ? "Mobile app" : "Web app";
                     String agreement = cbAgree.isChecked() ? "Agree" : "Not agree";
134
135
                     getFragmentManager().beginTransaction()
136
                              .replace(R.id.fragmentContainer, Fragment2.newInstance(name, appType,
     agreement))
137
                              .commit();
138
139
             });
140
141
142
143
     <?xml version="1.0" encoding="utf-8"?>
144
     <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
     android:layout width="match parent" android:layout height="match parent"
     android:orientation="vertical" android:padding="16dp">
         <EditText android:id="@+id/etName" android:layout width="match parent"
145
     android:layout height="wrap_content" android:hint="Enter name" />
146
         <RadioGroup android:layout width="match parent" android:layout height="wrap content"</pre>
     android:layout marginTop="16dp">
```

Toast.makeText(SignupActivity.this, "Please enter name",

```
android:layout height="wrap content" android:text="Mobile app" />
148
             <RadioButton android:id="@+id/rbWeb" android:lavout width="wrap content"</pre>
     android:layout height="wrap content" android:text="Web app" />
149
         </RadioGroup>
         <CheckBox android:id="@+id/cbAgree" android:layout width="match parent"</pre>
150
     android:layout_height="wrap_content" android:layout_marginTop="16dp" android:text="I agree" />
151
         <Button android:id="@+id/btnNext" android:layout width="match parent"</pre>
     android:layout height="wrap_content" android:layout_marginTop="16dp" android:text="Next" />
         <FrameLayout android:id="@+id/fragmentContainer" android:layout width="match parent"</pre>
152
     android:layout height="0dp" android:layout weight="1" android:layout marginTop="16dp" />
153
     </LinearLavout>
154
155
156
     public class Fragment2 extends ListFragment {
157
         private static final String ARG NAME = "name";
         private static final String ARG APP TYPE = "appType";
158
         private static final String ARG AGREEMENT = "agreement";
159
160
         public static Fragment2 newInstance(String name, String appType, String agreement) {
161
             Fragment2 fragment = new Fragment2();
162
             Bundle args = new Bundle();
163
             args.putString(ARG NAME, name);
164
             args.putString(ARG APP TYPE, appType);
165
             args.putString(ARG AGREEMENT, agreement);
             fragment.setArguments(args);
166
167
             return fragment;
168
169
         @Override
170
         public void onActivityCreated(Bundle savedInstanceState) {
```

<RadioButton android:id="@+id/rbMobile" android:lavout width="wrap content"</pre>

```
Bundle args = getArguments();
172
             String name = args.getString(ARG NAME);
173
             String appType = args.getString(ARG_APP_TYPE);
174
175
             String agreement = args.getString(ARG AGREEMENT);
             ArrayList<String> items = new ArrayList<>();
176
             items.add(name);
177
178
             items.add(appType);
179
             items.add(agreement);
             setListAdapter(new ArrayAdapter<>(getActivity(),
180
                     android.R.layout.simple list_item_1, items));
181
182
183
184
     <?xml version="1.0" encoding="utf-8"?>
185
186
     <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
     android:layout width="match parent" android:layout height="match parent"
     android:orientation="vertical">
         <ListView android:id="@android:id/list" android:layout width="match parent"</pre>
187
     android:layout height="match parent" />
188
     </LinearLayout>
```

super.onActivityCreated(savedInstanceState);