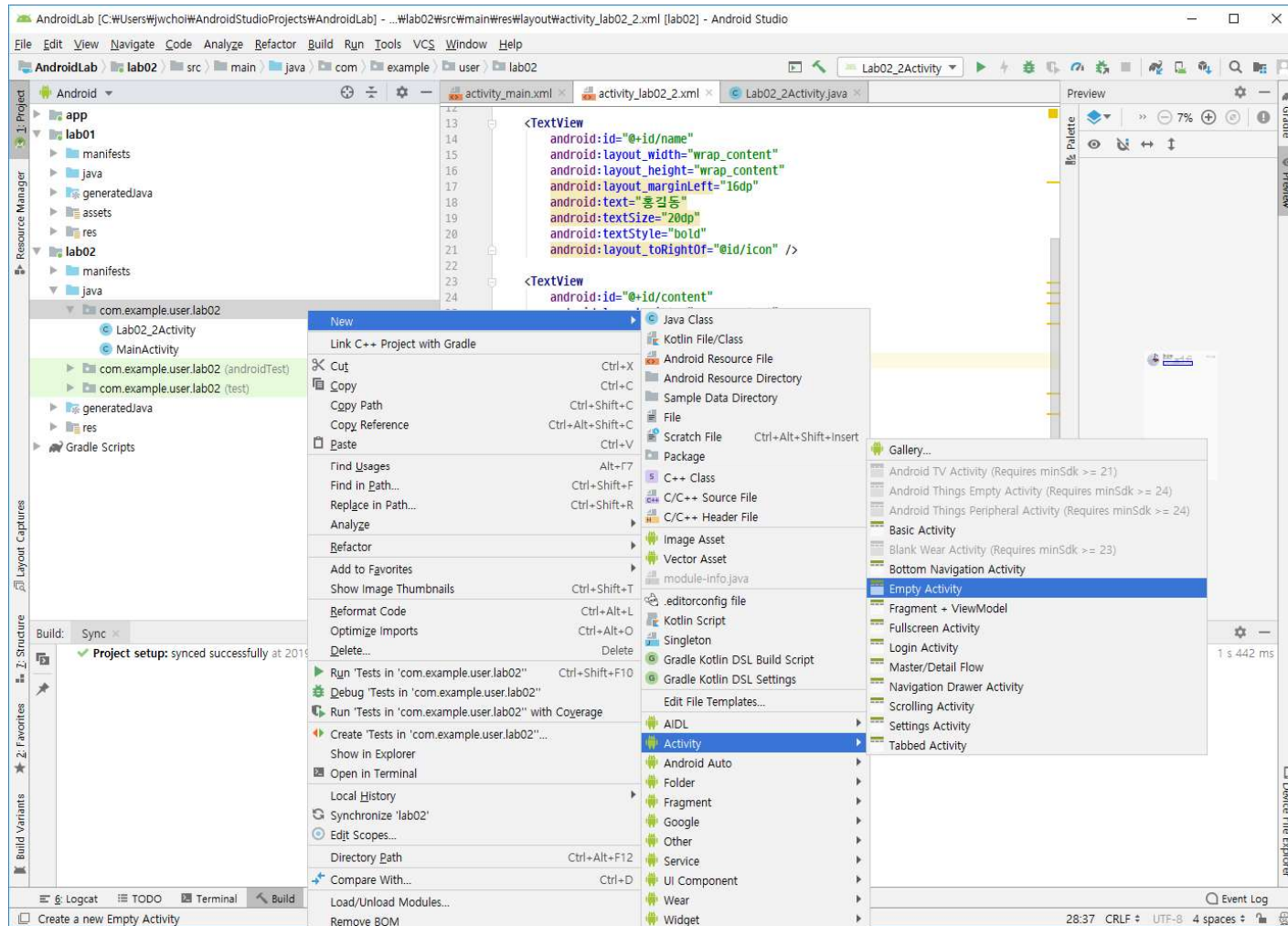




탭 화면

Step 1 _ 액티비티 추가




New Android Activity

 **Configure Activity**
Android Studio



Creates a new empty activity



Activity Name:

Lab02_3Activity

☒ Generate Layout File

Layout Name:

activity_lab02_3

☒ Launcher Activity

Package name:

com.example.user.lab02

Source Language:

Java

If true, this activity will have a CATEGORY_LAUNCHER intent filter, making it visible in the launcher

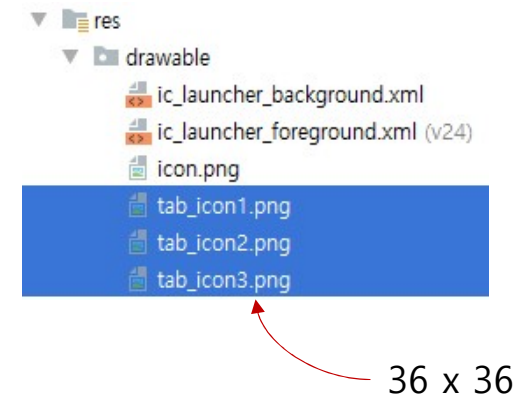
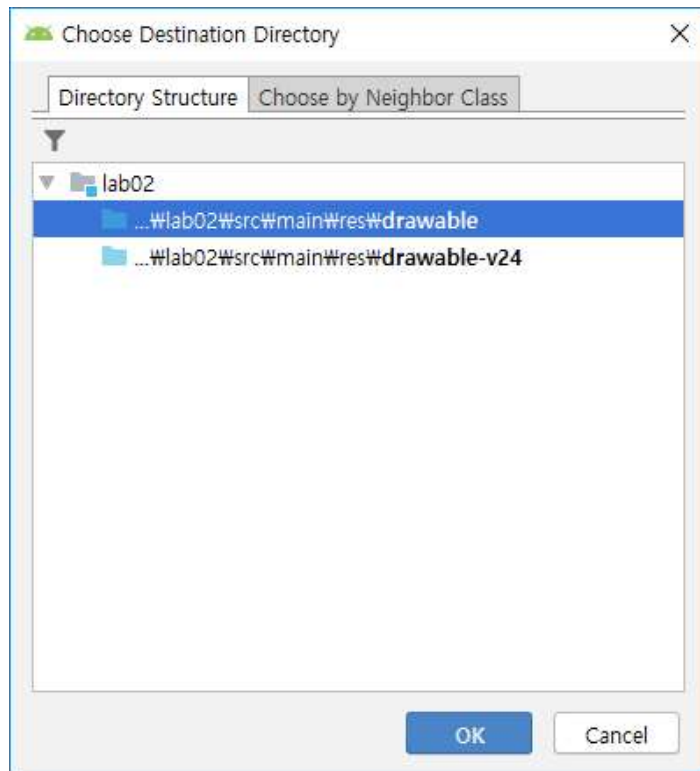
Previous

Next

Cancel

Finish

Step 2 _ 이미지 리소스 복사



Step 3 _ activity_lab02_3.xml 작성

```
<?xml version="1.0" encoding="utf-8"?>
<TabHost xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/host"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">

        <TabWidget
            android:id="@android:id/tabs"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:background="@color/colorPrimary" />

        <FrameLayout
            android:id="@android:id/tabcontent"
            android:layout_width="match_parent"
            android:layout_height="match_parent">

            <TextView
                android:id="@+id/tab_content1"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:text="Tab1"
                android:textSize="30dp"
                android:textStyle="bold"
                android:gravity="center" />
```

```
                <TextView
                    android:id="@+id/tab_content2"
                    android:layout_width="match_parent"
                    android:layout_height="match_parent"
                    android:text="Tab2"
                    android:textSize="30dp"
                    android:textStyle="bold"
                    android:gravity="center" />

                <TextView
                    android:id="@+id/tab_content3"
                    android:layout_width="match_parent"
                    android:layout_height="match_parent"
                    android:text="Tab3"
                    android:textSize="30dp"
                    android:textStyle="bold"
                    android:gravity="center" />

            </FrameLayout>

        </LinearLayout>

    </TabHost>
```

Step 4 _ Lab02_3Activity.java 작성

```
public class Lab02_3Activity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_lab02_3);

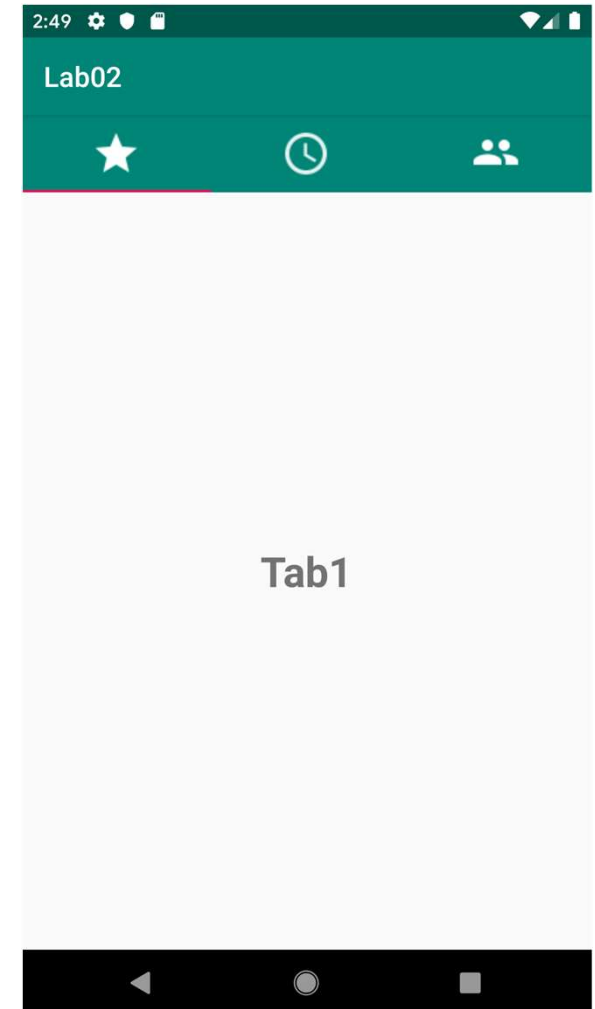
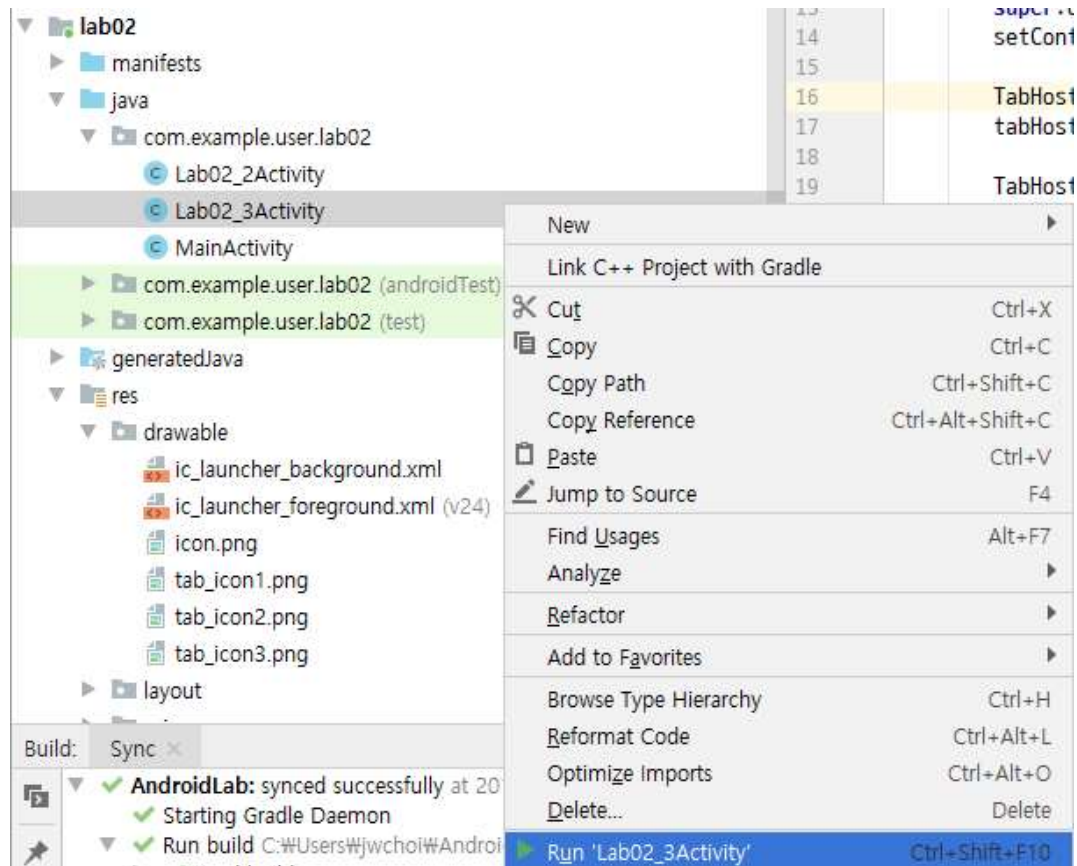
        TabHost tabHost = findViewById(R.id.host);
        tabHost.setup();

        TabHost.TabSpec spec = tabHost.newTabSpec("tab1");
        spec.setIndicator(null, ResourcesCompat.getDrawable(getResources(), R.drawable.tab_icon1, null));
        spec.setContent(R.id.tab_content1);
        tabHost.addTab(spec);

        spec = tabHost.newTabSpec("tab2");
        spec.setIndicator(null, ResourcesCompat.getDrawable(getResources(), R.drawable.tab_icon2, null));
        spec.setContent(R.id.tab_content2);
        tabHost.addTab(spec);

        spec = tabHost.newTabSpec("tab3");
        spec.setIndicator(null, ResourcesCompat.getDrawable(getResources(), R.drawable.tab_icon3, null));
        spec.setContent(R.id.tab_content3);
        tabHost.addTab(spec);
    }
}
```

Step 5 _ Lab02_3Activity.java 실행



탭 화면 구현: TabHost

- 탭 화면 만들기
 - FrameLayout 이용
 - 여러 뷰를 겹쳐 놓은 다음, 각 뷰의 visibility 속성을 조정
 - TabHost 이용
 - 위 작업을 조금 더 쉽게 작성



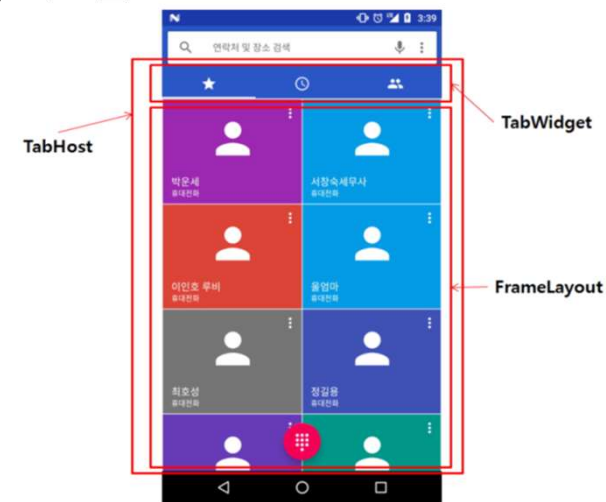
```
public class TabHost
extends FrameLayout implements ViewTreeObserver.OnTouchModeChangeListener
```


탭 화면 구현: TabHost

- TabHost 구조

- TabHost는 꼭 TabWidget과 FrameLayout으로 구성해야 함
 - TabHost: 탭 화면 전체 영역
 - TabWidget: 탭 버튼이 들어갈 영역
 - FrameLayout: 탭 버튼 클릭 시 보일 화면 영역

```
public class TabWidget  
extends LinearLayout implements View.OnFocusChangeListener
```

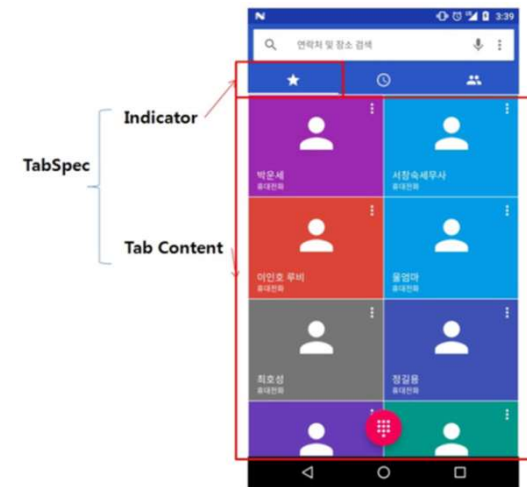


탭 화면 구현: TabHost

- TabHost를 위한 레이아웃 XML
 - TabWidget과 FrameLayout의 id 값이 반드시 다음과 같아야 함
 - TabWidget의 id 값:
 - `android:id="@android:id/tabs"`
 - FrameLayout의 id 값:
 - `android:id="@android:id/tabcontent"`

탭 화면 구현: TabHost

- TabHost를 위한 자바 코드
 - TabSpec 클래스
 - "탭 버튼"과 "본문 화면"의 쌍을 결합해 줌
 - TabSpec
 - 버튼: indicator
 - 본문: content



```
TabHost tabHost = findViewById(R.id.host);  
tabHost.setup();
```

// 각 TabSpec을 만들 때 매개변수의 문자열은 각 TabSpec의 식별자 문자열

```
TabHost.TabSpec spec = tabHost.newTabSpec("tab1");
```

// tab button 구성

```
spec.setIndicator(null, ResourcesCompat.getDrawable(getResources(), R.drawable.tab_icon1, null));
```

// tab 본문 구성

```
spec.setContent(R.id.tab_content1);
```

```
tabHost.addTab(spec);
```

TabHost.TabSpec

setIndicator(CharSequence label, Drawable icon)

Specify a label and icon as the tab indicator.

static Drawable

getDrawable(Resources res, int id, Resources.Theme theme)

Return a drawable object associated with a particular resource ID and styled for the specified theme.