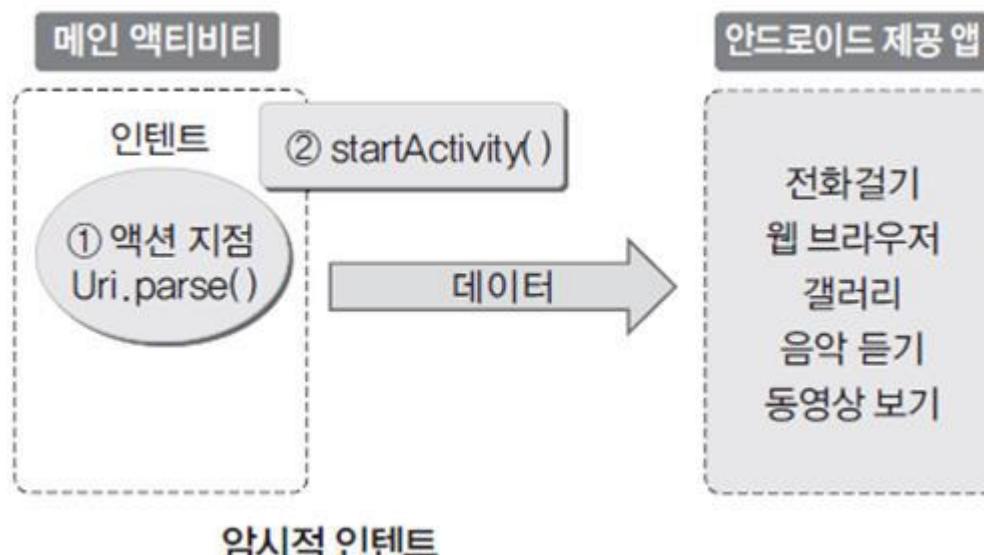


# 암시적 INTENT

# 암시적 인텐트



- 암시적 인텐트의 개념은 약속된 액션을 지정하여 안드로이드에서 제공하는 기존 응용 프로그램을 실행하는 것
- 예)
  - ◎ 전화번호를 인텐트로 넘기면 전화 걸기 응용 프로그래밍 실행됨.



# 암시적 인텐트



- 911에 응급 전화를 거는 형식

```
Intent intent = new Intent(Intent.ACTION_DIAL, Uri.parse("tel:/911"));
startActivity(intent);
```

- 전화 걸기를 하려면 AndroidManifest.xml에 퍼미션 권한을 추가

```
<uses-permission android:name="android.permission.CALL_PHONE"/>
```



# 프로젝트 생성



Application name: **BaseIntent**

Company Domain: admid.example.com

Project location: C:\Android\StdWork\BaseIntent

Target Android Devices

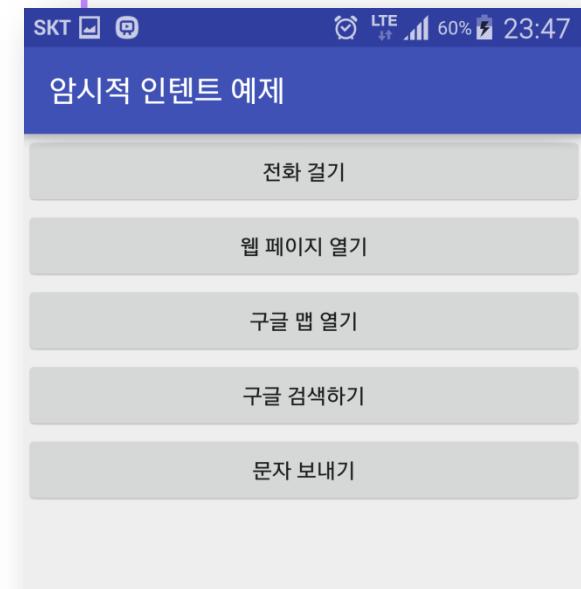
- Phone and Tabet
- Minimun SDK API 15 : Android 4.0.3

Add an activity to Mobile : **Empty Activity**

Customize the Activity

Activity Name: **MainActivity**

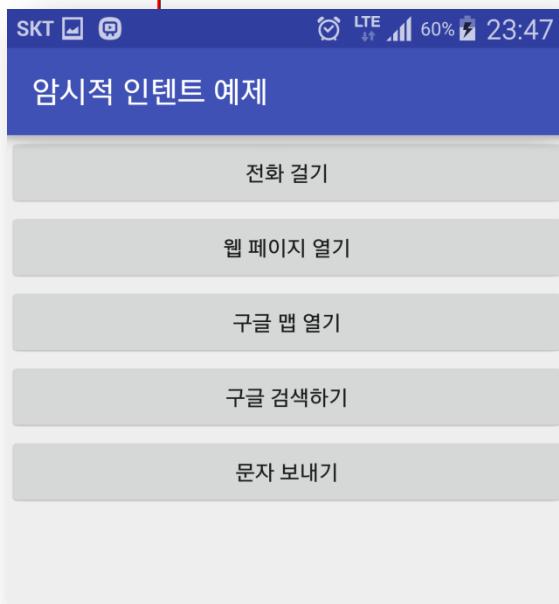
Layout Name: **activity\_main**



activity\_main.xml \*

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     android:layout_width="match_parent"
4     android:layout_height="match_parent"
5     android:orientation="vertical">
6
7     <Button
8         android:id="@+id	btnDial"
9         android:layout_width="match_parent"
10        android:layout_height="wrap_content"
11        android:text="전화 걸기" />
12
13    <Button
14        android:id="@+id	btnWeb"
15        android:layout_width="match_parent"
16        android:layout_height="wrap_content"
17        android:text="웹 페이지 열기" />
18
19    <Button
20        android:id="@+id	btnMap"
21        android:layout_width="match_parent"
22        android:layout_height="wrap_content"
23        android:text="구글 맵 열기" />
24
25    <Button
26        android:id="@+id	btnSearch"
27        android:layout_width="match_parent"
28        android:layout_height="wrap_content"
29        android:text="구글 검색하기" />
30
31    <Button
32        android:id="@+id	btnSms"
33        android:layout_width="match_parent"
34        android:layout_height="wrap_content"
35        android:text="문자 보내기" />
36 </LinearLayout>
```

코딩



```
>MainActivity.java x  
1 package com.example.admin.baseintent;  
2  
3 import ...  
10  
11 public class MainActivity extends AppCompatActivity {  
12     Button btnDial;  
13     Button btnWeb;  
14     Button btnMap;  
15     Button btnSearch;  
16     Button btnSms;  
17  
18     @Override  
19     protected void onCreate(Bundle savedInstanceState) {  
20         super.onCreate(savedInstanceState);  
21         setContentView(R.layout.activity_main);  
22         setTitle("암시적 인텐트 예제");  
23  
24         btnDial = (Button) findViewById(R.id.btnDial);  
25         btnWeb = (Button) findViewById(R.id.btnWeb);  
26         btnMap = (Button) findViewById(R.id.btnMap);  
27         btnSearch = (Button) findViewById(R.id.btnSearch);  
28         btnSms = (Button) findViewById(R.id.btnSms);  
29  
30         btnDial.setOnClickListener(new View.OnClickListener() {
```

코딩

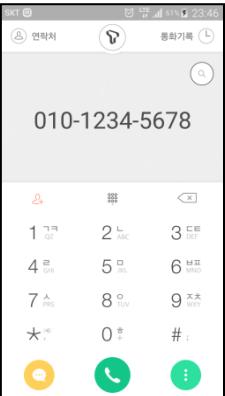
## 코딩

MainActivity.java x

```

30     btnDial.setOnClickListener(new View.OnClickListener() {
31         @Override
32         public void onClick(View v) {
33             Uri uri = Uri.parse("tel:010-1234-5678");
34             Intent intent = new Intent(Intent.ACTION_DIAL, uri);
35             startActivity(intent);
36         }
37     });
38     btnWeb.setOnClickListener(new View.OnClickListener() {
39         @Override
40         public void onClick(View v) {
41             Uri uri = Uri.parse("http://m.naver.com");
42             Intent intent = new Intent(Intent.ACTION_VIEW, uri);
43             startActivity(intent);
44         }
45     });
46     btnMap.setOnClickListener(new View.OnClickListener() {
47         @Override
48         public void onClick(View v) {
49             Uri uri = Uri.parse("geo:37.5543, 126.9135");
50             Intent intent = new Intent(Intent.ACTION_VIEW, uri);
51             startActivity(intent);
52         }
53     });

```



## 코딩

```

54     btnSearch.setOnClickListener(new View.OnClickListener() {
55         @Override
56         public void onClick(View v) {
57             Intent intent = new Intent(Intent.ACTION_WEB_SEARCH);
58             intent.putExtra(SearchManager.QUERY, "안드로이드");
59             startActivity(intent);
60         }
61     });
62     btnSms.setOnClickListener(new View.OnClickListener() {
63         @Override
64         public void onClick(View v) {
65             Intent intent = new Intent(Intent.ACTION_VIEW);
66             intent.putExtra("sms_body", "안녕! 안드로이드");
67             intent.setType("vnd.android-dir/mms-sms");
68             startActivity(intent);
69         }
70     });
71 }
72 }
```



AndroidManifest.xml

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <manifest xmlns:android="http://schemas.android.com/apk/res/android"
3     package="com.example.admin.baseintent">
4
5     <uses-permission android:name="android.permission.CALL_PHONE" />
6
7         <application
8             android:allowBackup="true"
9             android:icon="@mipmap/ic_launcher"
10            android:label="@string/app_name"
11            android:supportsRtl="true"
12            android:theme="@style/AppTheme">
13             <activity android:name=".MainActivity">
14                 <intent-filter>
15                     <action android:name="android.intent.action.MAIN" />
16
17                     <category android:name="android.intent.category.LAUNCHER" />
18                 </intent-filter>
19             </activity>
20         </application>
21
22     </manifest>
```

전화 퍼미션 추가

