

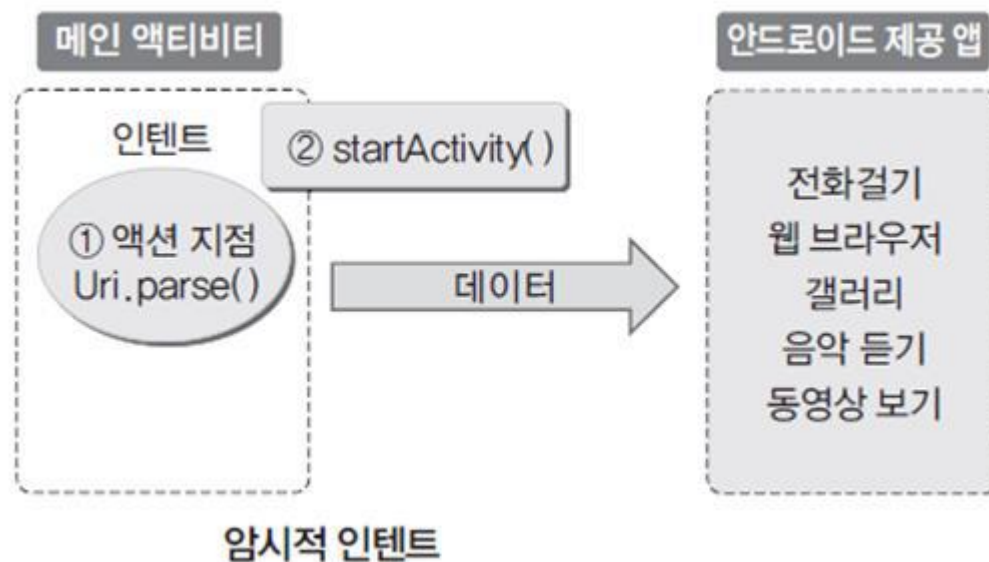


# 암시적 INTENT



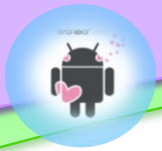
# 암시적 인텐트

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



# 암시적 인텐트

3



- 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

4



Application name: **BaseIntent**

Company Domain: **admid.example.com**

Project location: **C:\Android\StdWork\BaseIntent**

Target Android Devices

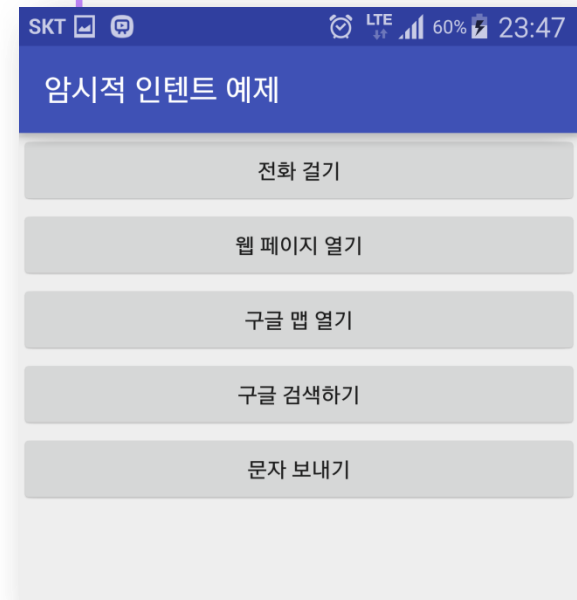
- **Phone and Tabet**
- **Minimun SDK API 15 : Android 4.0.3**

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

Customize the Activity

Activity Name: **MainActivity**

Layout Name: **activity\_main**



코딩

```
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>
```

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## 암시적 인텐트 예제

전화 걸기

웹 페이지 열기

구글 맵 열기

구글 검색하기

문자 보내기

C MainActivity.java x

코딩

```
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() {
```

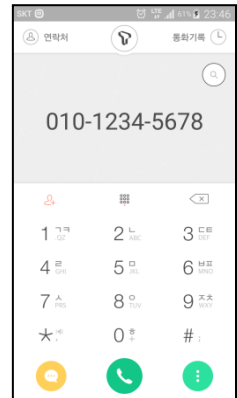


## 코딩

```

C 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 });

```

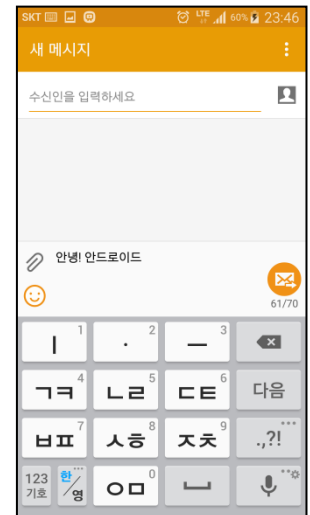


## 코딩

```

MainActivity.java x
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 x
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

