

#### android 📥



# Web View 구현









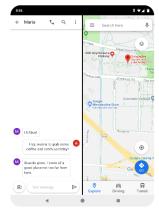


### 학습 목표



❖ Web View 구현

















#### Web View





◆ Web Pages를 보여 주는 기능 제공





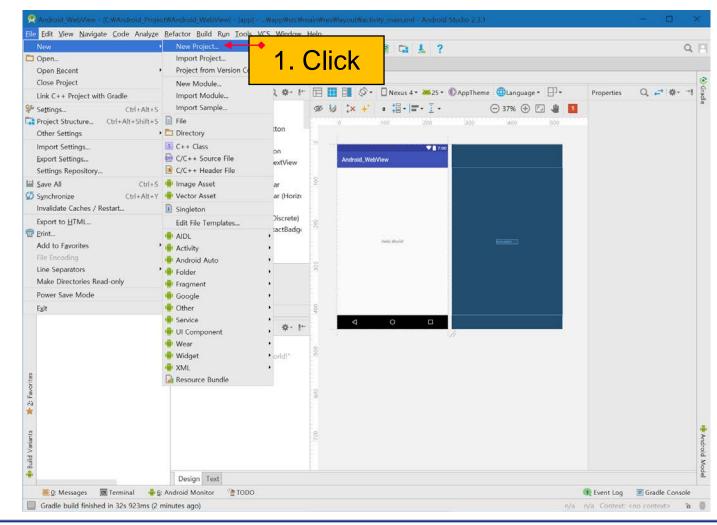






### Web View 구현 (1)

- Android 프로젝트 생성
  - ❖ 프로젝트 명 : Android\_WebView



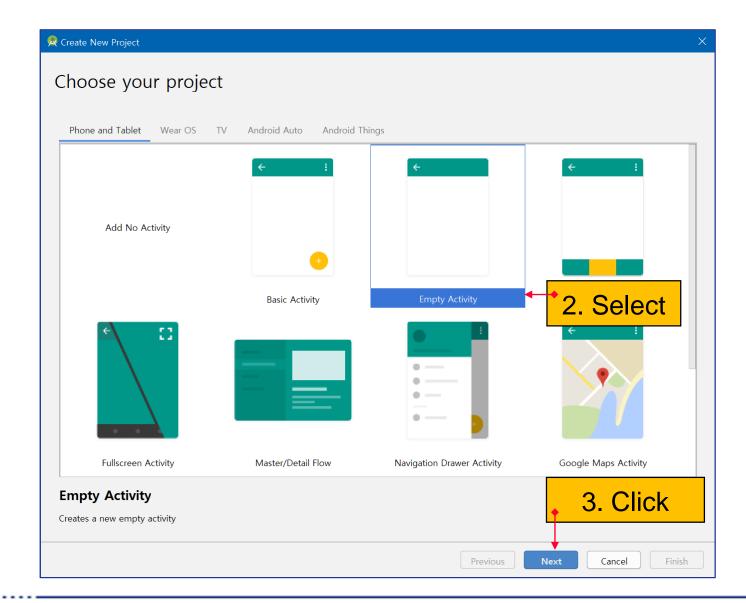








### Web View 구변 (2)



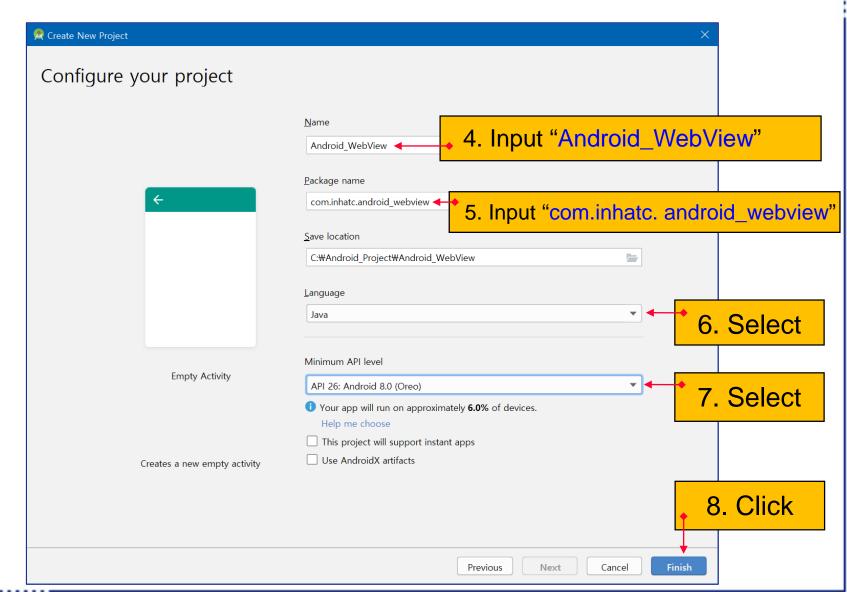








## Web View 구현 (3)





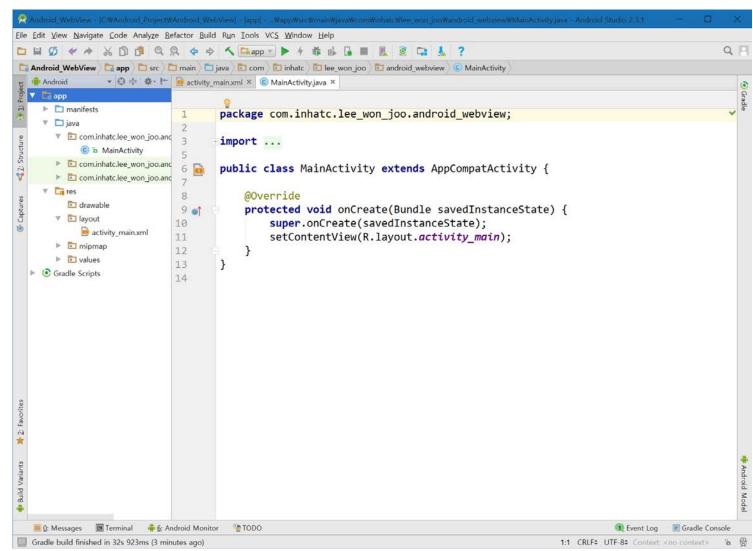






#### Web View 구현 (4)

#### ❖ Android 프로젝트 생성 완료





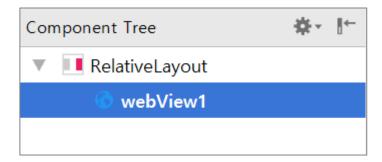


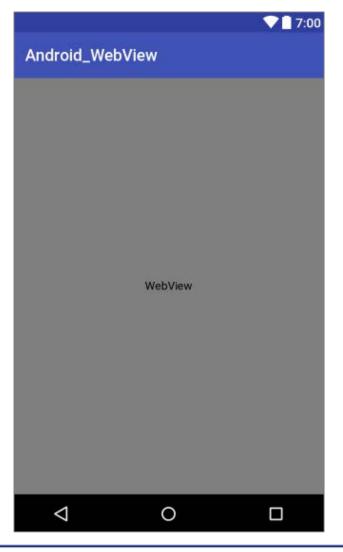




# Web View 구현 (5)





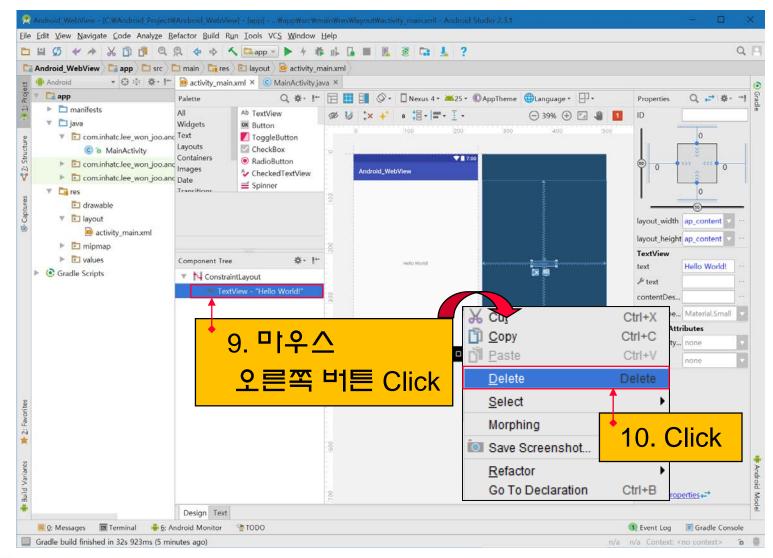






### Web View 구변 (6)

#### ❖ TextView 삭제







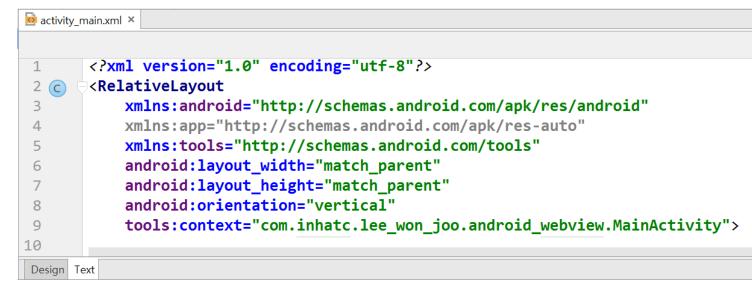




## Web View 구현 (7)

❖ Relative Layout 속성 지정

| 컨트롤             | 속성 지정  |
|-----------------|--|
| Relative Layout | <ul> <li>android:layout_width="match_parent"</li> <li>android:layout_height="match_parent"</li> <li>tools:context=".MainActivity"</li> <li>android:orientation="vertical"</li> </ul> |











## Web View 구현 (8)

- activity\_main.xml 수정
  - ❖ Web View 추가





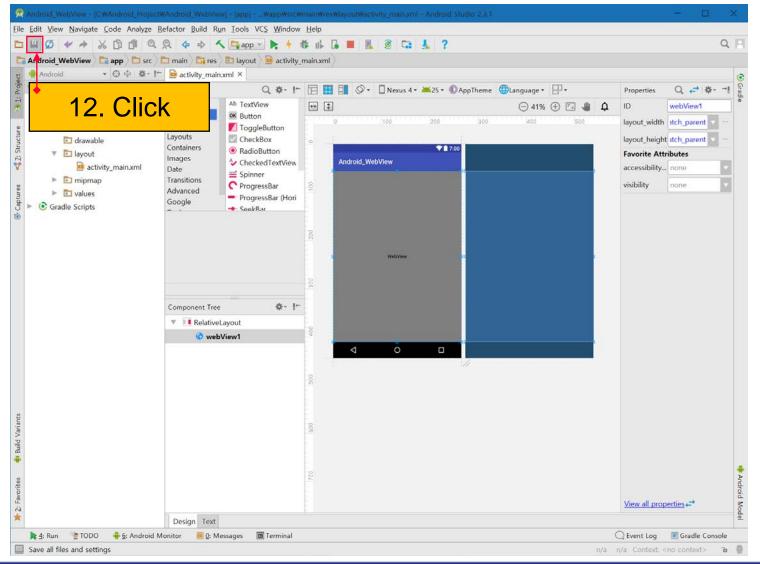






### Web View 구현 (9)

❖ activity\_main.xml べる











### Web View 구현 (10)

#### MainActivity.java

```
MainActivity.java 🗡
       package com.inhatc.lee won joo.android webview;
 1
       import android.support.v7.app.AppCompatActivity;
       import android.os.Bundle;
 4
       import android.webkit.WebView;
   <>
       public class MainActivity extends AppCompatActivity {
           private WebView objWebView;
                                             //WebView object
 9
10
11
           @Override
           protected void onCreate(Bundle savedInstanceState) {
12 of
               super.onCreate(savedInstanceState);
13
                setContentView(R.layout.activity main);
14
15
               objWebView = (WebView) findViewById(R.id.webView1);
16
               objWebView.getSettings().setJavaScriptEnabled(true);
17
               objWebView.loadUrl("http://www.google.com");
18
19
20
       }
21
```

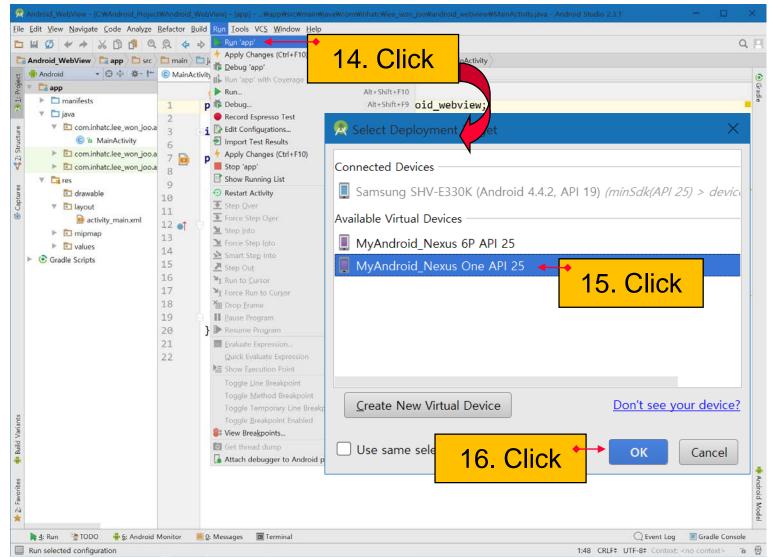


13. Coding



#### Web View 구현 (11)

#### ❖ Android 프로젝트 실행







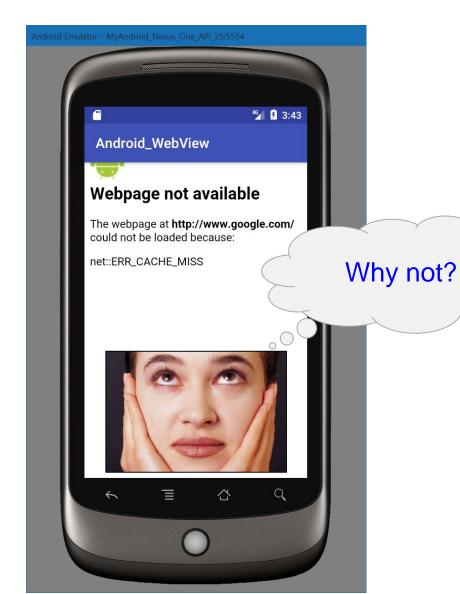




### Web View 구현 (12)









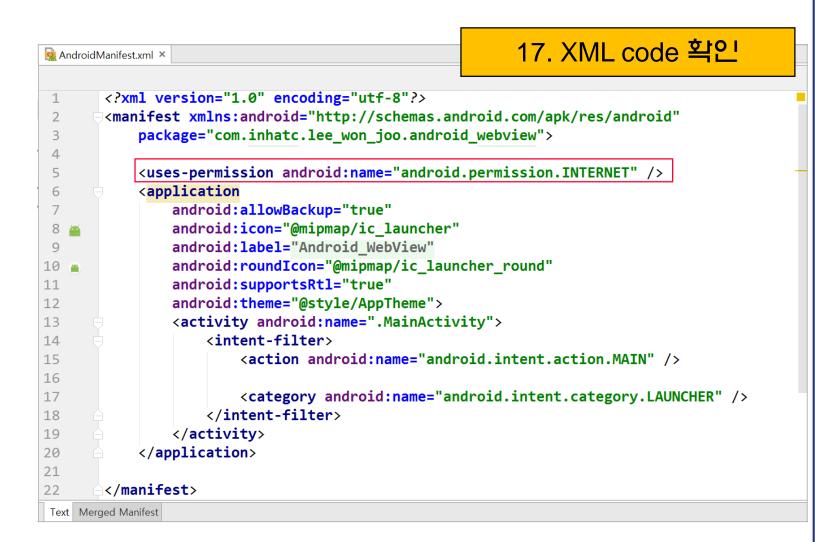






#### Web View 구현 (13)

❖ AndroidManifest.xml 수정











### Web View 구현 (14)

- AndroidManifest.xml
  - <uses-permission> Tag
    - ◆ 애플리케이션이 device data에 접근 허기를 얻기 위한 tag
  - Format
    - <uses-permission android:name="android.permission.INTERNET" />

|                     | Field                  | 설명                  |
|---------------------|------------------------|---------------------|
| android.permission. | INTERNET               | 인터넷 접속              |
|                     | RECEIVE_SMS            | SMS " ^ *           |
|                     | ACCESS_COARSE_LOCATION | 위치정보(Cell-ID, WiFi) |
|                     | ACCESS_FINE_LOCATION   | 위치정보(GPS)           |



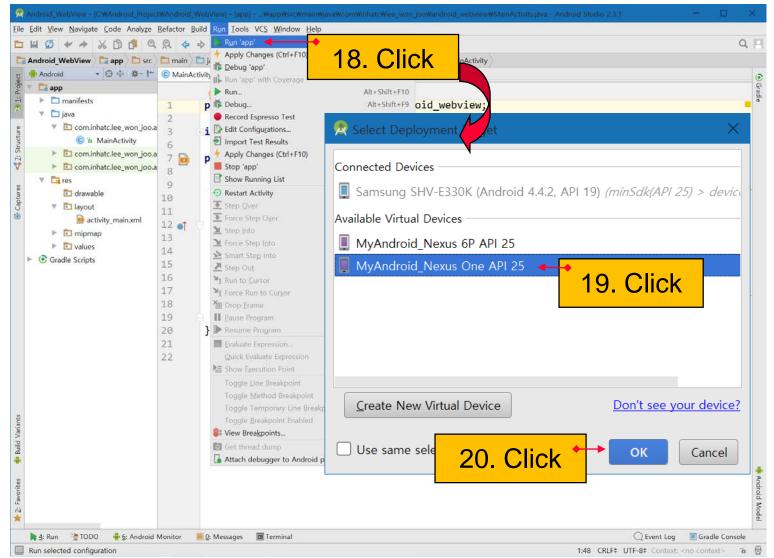






#### Web View 구현 (15)

#### ❖ Android 프로젝트 실행











### Web View 구현 (16)











#### 실습 1: Web View 구현

- Android\_WebView (실습 시간 : 30분)
  - ❖ MainActivity.java 파일을 프로그래밍하여 이래 그림과 같이 forward / backward 기능을 구현하시오.











#### 실습 1: Web View 구현 (1)

❖ Android\_WebViewClient 클래스 추가

```
MainActivity.java ×
       package com.inhatc.lee won joo.android webview;
       import android.support.v7.app.AppCompatActivity;
 3
       import android.os.Bundle;
 4
       import android.view.KeyEvent;
       import android.webkit.WebView;
       import android.webkit.WebViewClient;
       public class MainActivity extends AppCompatActivity {
 9
10
           private WebView objWebView;
                                            //WebView object
11
12
           @Override
13
           protected void onCreate(Bundle savedInstanceState) {
14 of
               super.onCreate(savedInstanceState);
15
               setContentView(R.layout.activity main);
16
17
               objWebView = (WebView) findViewById(R.id.webView1);
18
               objWebView.setWebViewClient(new Android WebViewClient()); //Modify code
19
20
               objWebView.getSettings().setJavaScriptEnabled(true);
               objWebView.loadUrl("http://www.google.com");
21
22
23
```



1. Coding



## 실습 1: Web View 구현 (2)

#### ❖ Android\_WebViewClient 클래스

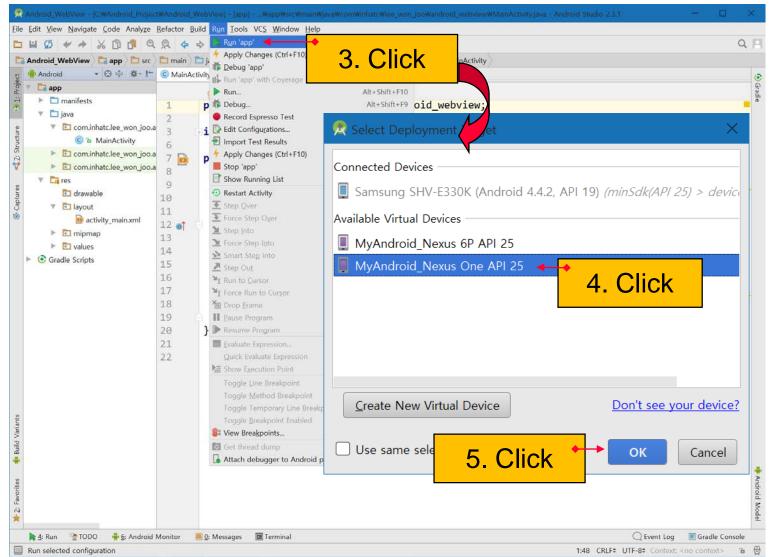
```
MainActivity.java ×
23
24
           private class Android WebViewClient extends WebViewClient {
25
               @Override
26 of
                public boolean shouldOverrideUrlLoading(WebView view, String url){
                    view.loadUrl(url);
27
                    return true;
28
29
                @Override
30
                public boolean shouldOverrideKeyEvent (WebView view, KeyEvent event) {
31 of
                    int keyCode = event.getKeyCode();
32
                    if ((keyCode == KeyEvent.KEYCODE DPAD LEFT) && objWebView.canGoBack()) {
33
                        objWebView.goBack();
34
35
                        return true;
36
                    else if ((keyCode == KeyEvent.KEYCODE_DPAD_RIGHT) && objWebView.canGoForward()) {
37
                        objWebView.goForward();
38
                        return true;
39
40
                    return false;
41
42
43
44
45
```





#### 실습 1: Web View 구현 (3)

#### ❖ Android 프로젝트 실행











#### 실습 1: Web View 구현 (4)

❖ 실행 결과











#### 실습 1: Web View 구현 (5)

#### Forward











### 실습 1: Web View 구현 (6)

#### Backward











### 학습 요약













