

## Practical No.9

**Aim: Write an Android Code to Fetch WebUrl into Mobile Screen using Web View**

**Source Code:**

### **AndroidManifest.xml**

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

### **activity\_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity">

    <TextView
        android:id="@+id/input_layout_URL_Name"
        android:layout_width="wrap_content"
        android:layout_height="0dp"
        android:layout_marginTop="60dp"
        android:text="@string/welcome_to_webview"
        android:textSize="24sp"
        android:textStyle="bold"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_editor_absoluteX="88dp" />

    <EditText
        android:id="@+id/ed_URL_Name"
        android:layout_width="wrap_content"
        android:layout_height="0dp"
        android:layout_marginTop="44dp"
        android:ems="10"
        android:hint="@string/enter_url"
        android:inputType="textPersonName"
        app:layout_constraintTop_toBottomOf="@id/input_layout_URL_Name"
        app:layout_editor_absoluteX="99dp"/>

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="39dp"
        android:layout_marginTop="72dp"
        android:text="@string/enter"
        app:layout_constraintTop_toBottomOf="@id/ed_URL_Name"
        app:layout_editor_absoluteX="161dp"/>

    <WebView
        android:id="@+id/webview"
        android:layout_width="319dp"
        android:layout_height="192dp"
```

```

        android:layout_marginStart="8dp"
        android:layout_marginEnd="8dp"
        android:layout_marginTop="10dp"
        android:layout_marginBottom="8dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/button"/>

```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

### **ActivityMain.java**

```

package com.example.practical_no_9;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.webkit.WebView;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

    Button btnEnter;
    EditText edURLName;
    private WebView webView;

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

        btnEnter=findViewById(R.id.button);
        edURLName=findViewById(R.id.ed_URL_Name);
        webView=findViewById(R.id.webview);

        webView.setWebViewClient(new MyBrowser());
        btnEnter.setOnClickListener(
            new View.OnClickListener() {
                @Override
                public void onClick(View v) {
                    String url=edURLName.getText().toString();
                    webView.getSettings().setLoadsImagesAutomatically(true);
                    webView.setScrollBarStyle(View.SCROLLBARS_INSIDE_OVERLAY);
                    webView.loadUrl(url);
                }
            }
        );
    }
}

```

### **MyBrowser.java**

```
package com.example.practical_no_9;

import android.os.Build;
import android.webkit.WebResourceRequest;
import android.webkit.WebView;
import android.webkit.WebViewClient;

import androidx.annotation.RequiresApi;

public class MyBrowser extends WebViewClient {
    @RequiresApi(api = Build.VERSION_CODES.LOLLIPOP)
    @Override
    public boolean shouldOverrideUrlLoading(WebView view, WebResourceRequest request) {
        view.loadUrl(request.getUrl().toString());
        return true;
    }
}
```

### **Strings.xml**

```
<resources>
    <string name="app_name">Practical_No_9</string>
    <string name="welcome_to_webview">Welcome to WebView...</string>
    <string name="enter_url">Enter URL</string>
    <string name="enter">Enter</string>
</resources>
```

**Output:**

