

PRACTICAL: 9

AIM: Create an application with the help of web view.

THEORY: About elements used:

Webviews: If you want to deliver a web application (or just a web page) as a part of a client application, you can do it using WebView. The WebView class is an extension of Android's View class that allows you to display web pages as a part of your activity layout. It does not include any features of a fully developed web browser, such as navigation controls or an address bar. All that WebView does, by default, is show a web page.

CODE:

activity_main.xml

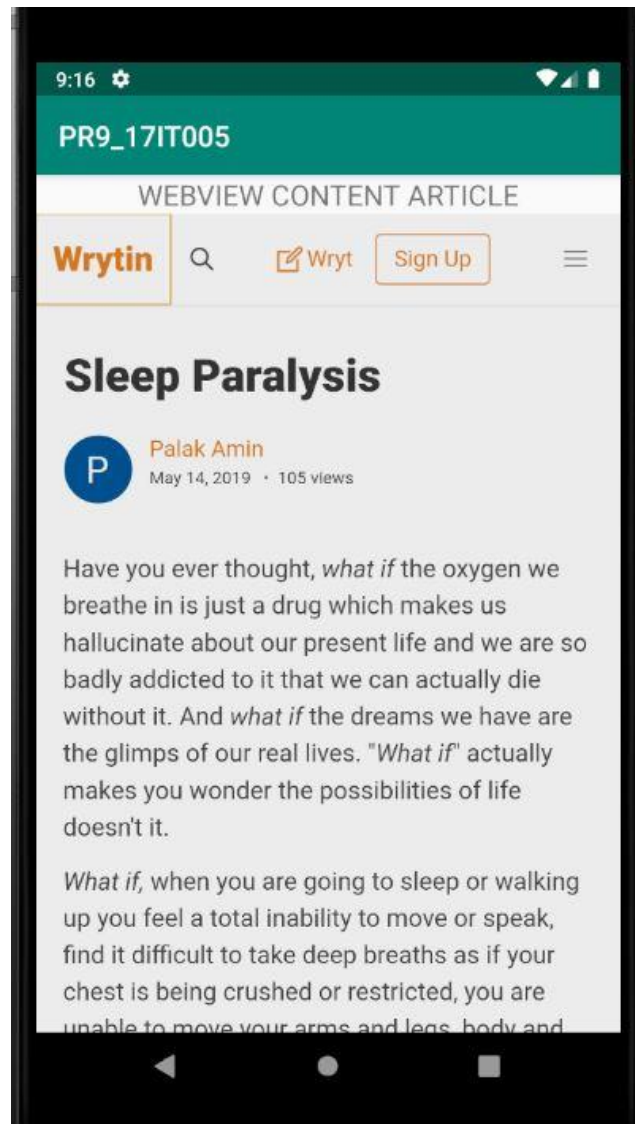
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:orientation="vertical">
    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textAlignment="center"
        android:paddingHorizontal="20dp"
        android:text="WEBVIEW CONTENT ARTICLE"
        android:textSize="20dp" />
    <WebView
        android:id="@+id/webView"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
</LinearLayout>
```

MainActivity.java

```
package com.example.pr9_17it005;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.webkit.WebView;

public class MainActivity extends AppCompatActivity {
    WebView myWebView;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        myWebView = (WebView) findViewById(R.id.webView);
    }
}
```

```
myWebView.loadUrl("https://wrytin.com/palakamin/sleep-paralysis-jvnz1dq4");  
}  
}
```

OUTPUT:

LATEST APPLICATIONS: There is an android application Android System WebView which is a system component powered by Chrome that allows Android apps to display web content. This component is pre-installed on your device and should be kept up to date to ensure you have the latest security updates and other bug fixes.

LEARNING OUTCOME: To add a webview to our application, we need to add permission for internet in manifests. Also there are some rules as per Google Play Developer Program Policies, we can not use Webview of a website not owned or administered by us.