**PR-16**

**16 Write a program to create a text field and a button “Navigate”. When you enter “www.google.com” and press navigate button it should open google page..**

**XML Code**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/layout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:padding="24dp"  
 android:gravity="center"  
 tools:context=".MainActivity">  
  
 <EditText  
 android:id="@+id/urlEditText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter website (e.g. www.google.com)"  
 android:inputType="textUri"  
 android:layout\_marginBottom="20dp" />  
  
 <Button  
 android:id="@+id/navigateButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Navigate" />  
  
</LinearLayout>

**Java Code**

package com.example.pr16\_navigate\_opengoogle;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 EditText urlEditText;  
 Button navigateButton;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 urlEditText = findViewById(R.id.*urlEditText*);  
 navigateButton = findViewById(R.id.*navigateButton*);  
  
 navigateButton.setOnClickListener(v -> {  
 String url = urlEditText.getText().toString().trim();  
  
 if (!url.isEmpty()) {  
 if (!url.startsWith("http://") && !url.startsWith("https://")) {  
 url = "http://" + url; // Add default scheme if missing  
 }  
  
 Intent intent = new Intent(Intent.*ACTION\_VIEW*, Uri.*parse*(url));  
 startActivity(intent);  
 } else {  
 Toast.*makeText*(MainActivity.this, "Please enter a URL", Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}