THIYAGU

22BCA0058 try code

1.

<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools">  
  
 <uses-permission android:name="android.permission.ACCESS\_FINE\_LOCATION" />  
 <uses-permission android:name="android.permission.ACCESS\_COARSE\_LOCATION" />  
  
 <application  
 android:allowBackup="true"  
 android:dataExtractionRules="@xml/data\_extraction\_rules"  
 android:fullBackupContent="@xml/backup\_rules"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.\_22BCA0058LOACTION"  
 tools:targetApi="31">  
 <activity  
 android:name=".MainActivity"  
 android:exported="true">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
 </application>  
  
</manifest>

package com.example.a22bca0058\_loaction;  
  
import android.Manifest;  
import android.content.pm.PackageManager;  
import android.location.Location;  
import android.os.Bundle;  
import android.widget.TextView;  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.app.ActivityCompat;  
import androidx.core.content.ContextCompat;  
import com.google.android.gms.location.FusedLocationProviderClient;  
import com.google.android.gms.location.LocationServices;  
import com.google.android.gms.tasks.OnSuccessListener;  
  
public class MainActivity extends AppCompatActivity {  
 private static final int *LOCATION\_PERMISSION\_REQUEST\_CODE* = 1;  
 private FusedLocationProviderClient fusedLocationClient;  
 private TextView locationTextView;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 locationTextView = findViewById(R.id.*locationTextView*);  
 fusedLocationClient = LocationServices.*getFusedLocationProviderClient*(this);  
  
 if (ContextCompat.*checkSelfPermission*(this, Manifest.permission.*ACCESS\_FINE\_LOCATION*) == PackageManager.*PERMISSION\_GRANTED*) {  
 getCurrentLocation();  
 } else {  
 ActivityCompat.*requestPermissions*(this, new String[]{Manifest.permission.*ACCESS\_FINE\_LOCATION*}, *LOCATION\_PERMISSION\_REQUEST\_CODE*);  
 }  
 }  
  
 private void getCurrentLocation() {  
 fusedLocationClient.getLastLocation().addOnSuccessListener(this, new OnSuccessListener<Location>() {  
 @Override  
 public void onSuccess(Location location) {  
 if (location != null) {  
 String locationText = "Latitude: " + location.getLatitude() + ", Longitude: " + location.getLongitude();  
 locationTextView.setText(locationText);  
 }  
 }  
 });  
 }  
  
 @Override  
 public void onRequestPermissionsResult(int requestCode, @NonNull String[] permissions, @NonNull int[] grantResults) {  
 if (requestCode == *LOCATION\_PERMISSION\_REQUEST\_CODE*) {  
 if (grantResults.length > 0 && grantResults[0] == PackageManager.*PERMISSION\_GRANTED*) {  
 getCurrentLocation();  
 }  
 }  
 }  
}

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:padding="16dp">  
  
 <TextView  
 android:text="Register Number: 22BCA0058, Name: Thiyagu, App: Location Display"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:padding="8dp" />  
  
 <TextView  
 android:id="@+id/locationTextView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Fetching location..."  
 android:padding="8dp" />  
</LinearLayout>

2.

package com.example.thiyagu;  
import android.os.Bundle;  
import android.widget.CalendarView;  
import android.widget.TextView;  
import android.view.View;  
import android.widget.TimePicker;  
import java.text.SimpleDateFormat;  
import java.util.Calendar;  
import java.util.Locale;  
import androidx.activity.EdgeToEdge;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.graphics.Insets;  
import androidx.core.view.ViewCompat;  
import androidx.core.view.WindowInsetsCompat;  
  
public class MainActivity extends AppCompatActivity {  
  
 private TextView SelectedDateTime;  
 private int SelectedYear, SelectedMonth, SelectedDay;  
 private int SelectedHour, SelectedMinute;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 EdgeToEdge.*enable*(this);  
 setContentView(R.layout.*activity\_main*);  
  
 CalendarView calendarView = findViewById(R.id.*calendar*);  
 TimePicker timePicker = findViewById(R.id.*Time*);  
 SelectedDateTime = findViewById(R.id.*output*);  
  
 timePicker.setIs24HourView(true);  
  
 Calendar calendar = Calendar.*getInstance*();  
 SelectedYear = calendar.get(Calendar.*YEAR*);  
 SelectedMonth = calendar.get(Calendar.*MONTH*);  
 SelectedDay = calendar.get(Calendar.*DAY\_OF\_MONTH*);  
 SelectedHour = calendar.get(Calendar.*HOUR\_OF\_DAY*);  
 SelectedMinute = calendar.get(Calendar.*MINUTE*);  
  
 updateDateTimeDisplay();  
  
 calendarView.setOnDateChangeListener((view,year,month,dayOfmonth)->  
 {  
 SelectedYear = year;  
 SelectedMonth = month;  
 SelectedDay = dayOfmonth;  
 updateDateTimeDisplay();  
 });  
  
 timePicker.setOnTimeChangedListener((view,hourofDay,minute)->  
 {  
 SelectedHour = hourofDay;  
 SelectedMinute = minute;  
 updateDateTimeDisplay();  
 });  
 }  
 private void updateDateTimeDisplay()  
 {  
 String date = String.*format*(Locale.*getDefault*(),"%02d/%02d/%d",SelectedDay,SelectedMonth + 1,SelectedYear);  
 String time = String.*format*(Locale.*getDefault*(),"%02d/%02d",SelectedHour,SelectedMinute);  
 SelectedDateTime.setText("Date : "+date+" "+time);  
 }  
}

xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:padding="16dp">  
  
 <CalendarView  
 android:id="@+id/calendar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="20dp"/>  
 <TimePicker  
 android:id="@+id/Time"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="20dp"/>  
  
 <TextView  
 android:id="@+id/output"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Selected Date and Time" />  
</LinearLayout>