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Topic: Menu Driven App
Exercise No. : 10

Aim : Develop a Menu driven App that displays the option menu that contains names of different countries and when each of the country is clicked, the description about the country should be displayed.

Code :

MainActivity.java:

```
package com.example.menucountry;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    TextView country, desc;

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

        country = findViewById(R.id.country);
        desc = findViewById(R.id.desc);
    }
    public boolean onCreateOptionsMenu(Menu menu) {
        MenuInflater inflater = getMenuInflater();
        inflater.inflate(R.menu.country, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
```

```

int id = item.getItemId();
switch (id){
    case R.id.ind:
//      Toast.makeText(getApplicationContext(),"Item 1 Selected",Toast.LENGTH_LONG).show();
        country.setText("India");
        desc.setText(R.string.india);
        return true;
    case R.id.bah:
//      Toast.makeText(getApplicationContext(),"Item 2 Selected",Toast.LENGTH_LONG).show();
        country.setText("Bahrain");
        desc.setText(R.string.bahrain);
        return true;

    case R.id.pak:
//      Toast.makeText(getApplicationContext(),"Item 3 Selected",Toast.LENGTH_LONG).show();
        country.setText("Pak");
        desc.setText(R.string.pakistan);
        return true;
    case R.id.is:
//      Toast.makeText(getApplicationContext(),"Item 3 Selected",Toast.LENGTH_LONG).show();
        country.setText("Israel");
        desc.setText(R.string.israel);
        return true;
    case R.id.chn:
//      Toast.makeText(getApplicationContext(),"Item 3 Selected",Toast.LENGTH_LONG).show();
        country.setText("China");
        desc.setText(R.string.china);
        return true;
    case R.id.can:
//      Toast.makeText(getApplicationContext(),"Item 3 Selected",Toast.LENGTH_LONG).show();
        country.setText("Canada");
        desc.setText(R.string.canada);
        return true;
    case R.id.uk:
//      Toast.makeText(getApplicationContext(),"Item 3 Selected",Toast.LENGTH_LONG).show();
        country.setText("UK");
        desc.setText(R.string.uk);
        return true;
    default:
        return super.onOptionsItemSelected(item);
    }
}
}
}

```

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/country"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text=""
    android:textColor="@color/black"
    android:layout_margin="48dp"
    android:padding="24dp"
    android:textSize="24dp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<TextView
    android:padding="24dp"
    android:layout_margin="24dp"
    android:id="@+id/desc"
    android:layout_width="320dp"
    android:layout_height="wrap_content"
    app:layout_constraintTop_toBottomOf="@+id/country"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent" />
```

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

Country.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item android:id="@+id/ind"
        android:title="India" />
    <item android:id="@+id/bah"
        android:title="Bahrain" />
    <item android:id="@+id/pak"
```

```

        android:title="Pakistan" />
    <item android:id="@+id/is"
        android:title="Israel" />
    <item android:id="@+id/can"
        android:title="Canada" />
    <item android:id="@+id/uk"
        android:title="UK" />
    <item android:id="@+id/chn"
        android:title="China" />
</menu>

```

Strings.xml:

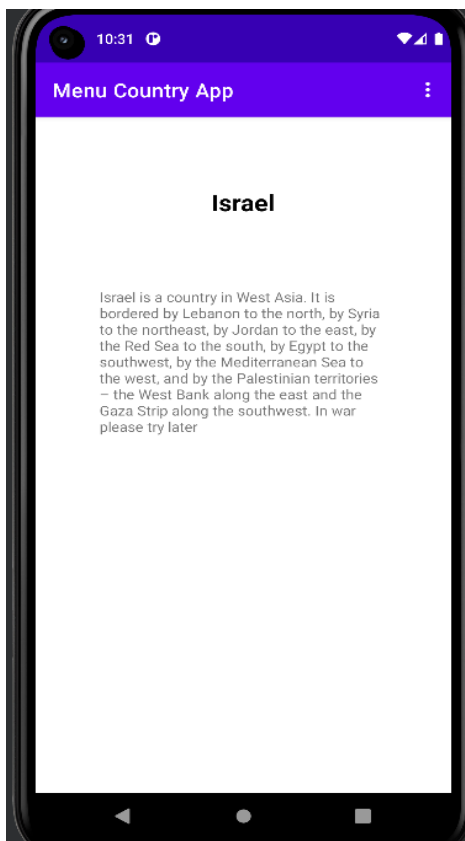
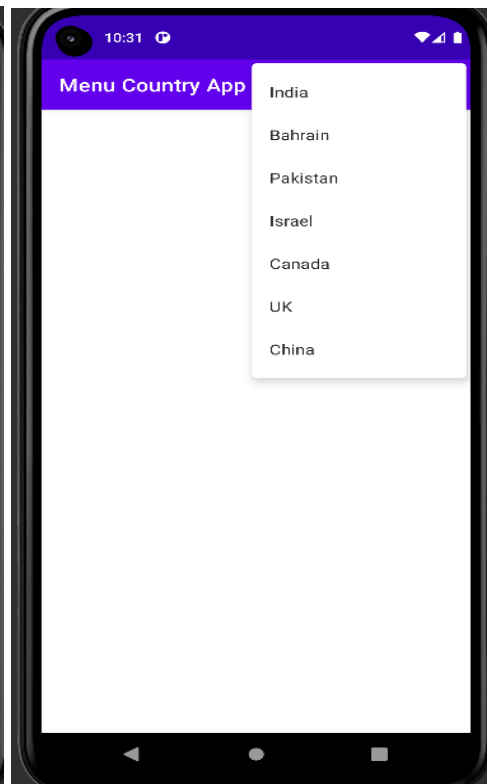
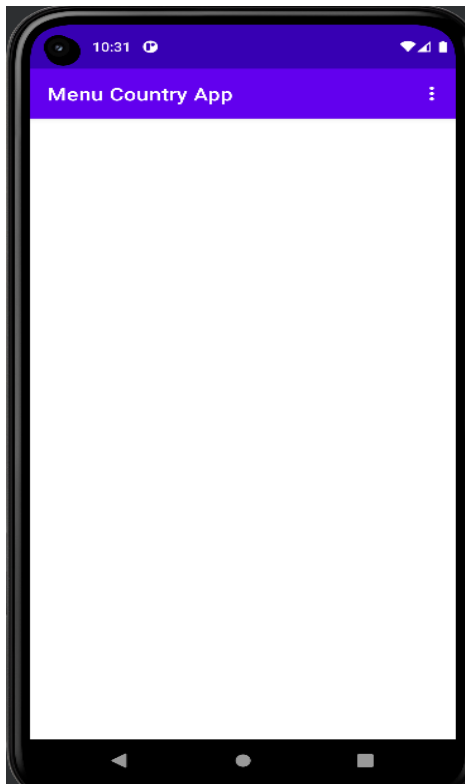
```

<resources>
    <string name="app_name">Menu Country App</string>
    <string name="india">India, officially the Republic of India (ISO: Bhārat Gaṇarājya), is a country in
South Asia. It is the seventh-largest country by area; the most populous country as of June 2023; and from
the time of its independence in 1947, the world's most populous democracy</string>
    <string name="pakistan">
        Pakistan (Urdu: پاكِستان [ˈpaːkɪstaːn]),[d] officially the Islamic Republic of Pakistan (ISO: اِسْلَامِي جَمْهُورِيَّہ
پَاكِسْتَان, islāmi jamhūriyāh pākistān), is a country in South Asia.
    </string>
    <string name="bahrain">
        Bahrain (/bəˈreɪm/bah-RAYN, /ˈreɪm/; Arabic: البحرين, romanized: al-Baḥrayn, locally [æɫ baħˈreːn]),
officially the Kingdom of Bahrain,[a] is an island country in West Asia.
    </string>
    <string name="israel">
        Israel is a country in West Asia. It is bordered by Lebanon to the north, by Syria to the northeast, by
Jordan to the east, by the Red Sea to the south, by Egypt to the southwest, by the Mediterranean Sea to the
west, and by the Palestinian territories – the West Bank along the east and the Gaza Strip along the
southwest. In war please try later
    </string>
    <string name="china">
        China , officially the People's Republic of China (PRC),[k] is a country in East Asia.
    </string>
    <string name="canada">
        Canada is a country in North America. Its ten provinces and three territories extend from the Atlantic
Ocean to the Pacific Ocean and northward into the Arctic Ocean, making it the world's second-largest
country by total area,
    </string>
    <string name="uk">
        The United Kingdom of Great Britain and Northern Ireland, commonly known as the United Kingdom (UK)
or Britain,[k][14] is an island country in Northwestern Europe, off the north-western coast of the continental
mainland.
    </string>

```

</resources>

Output :



Learning Outcome :

1. Learnt to edit the menu on android studio
2. Learnt the steps to deploy a new resource file