

1. Develop an application that implements Spinner component and perform event handling

```
<?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"
    android:orientation="horizontal"
    tools:context=".MainActivity">

    <Spinner
        android:id="@+id/s1"
        android:layout_width="409dp"
        android:layout_height="wrap_content"
        tools:layout_editor_absoluteX="1dp"
        tools:layout_editor_absoluteY="191dp" />

    <Spinner
        android:id="@+id/s2"
        android:layout_width="409dp"
        android:layout_height="wrap_content"
        tools:layout_editor_absoluteX="1dp"
        tools:layout_editor_absoluteY="191dp" />

</LinearLayout>
```

Tv.xml

```
<?xml version="1.0" encoding="utf-8"?>
<TextView xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

</TextView>
```

Cursorview.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="match_parent"
```

```

        android:layout_height="match_parent">

        <TextView
            android:id="@+id/tv1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="TextView" />

    </LinearLayout>

```

Mainactivity

```

package com.example.spinner_adapter;

import androidx.appcompat.app.AppCompatActivity;

import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.CursorAdapter;
import android.widget.SimpleCursorAdapter;
import android.widget.Spinner;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    Spinner sp,sp1;
    String s[]={ "Red", "Green", "Blue", "Yellow"};
    SQLiteDatabase db;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        sp=(Spinner) findViewById(R.id.s1);
        sp1=(Spinner) findViewById(R.id.s2);

        ArrayAdapter<String> aa=new ArrayAdapter<String>(this,R.layout.tv,s);
        sp.setAdapter(aa);

        sp.setOnItemClickListener(new AdapterView.OnItemClickListener()
        {
            @Override

```

```

        public void onItemSelected(AdapterView<?> parent, View view, int
position, long id) {

Toast.makeText(getApplicationContext(),s[position],Toast.LENGTH_SHORT).show()
;

        }

        @Override
        public void onNothingSelected(AdapterView<?> parent) {
            return;
        }
    });

    try {
        db=openOrCreateDatabase("db1",MODE_PRIVATE,null);
        db.execSQL("create table emp(eno integer,ename text,ecountry
text)");

        db.execSQL("insert into emp values(1,'krishna','India')");
        db.execSQL("insert into emp values(2,'sanchana','USA')");
        db.execSQL("insert into emp values(3,'darsana','UK')");
        db.execSQL("insert into emp values(4,'anakha','korea')");
        db.execSQL("insert into emp values(5,'ammu','canada')");
        db.execSQL("insert into emp values(6,'aswathy','italy')");

    } catch(Exception e){}

    Cursor c= db.rawQuery("select eno as _id,ename as name,ecountry as
country from emp",null);
    String s1[]={"country"};
    int ids[]={R.id.tv1};
    CursorAdapter ca=new
SimpleCursorAdapter(this,R.layout.cursorview,c,s1,ids);
    sp1.setAdapter(ca);

    sp1.setOnItemClickListener(new AdapterView.OnItemClickListener()
{

        @Override
        public void onItemSelected(AdapterView<?> parent, View view, int
position, long id) {
            Cursor item=(Cursor)parent.getSelectedItem();
            String value=(item.getString(2));

Toast.makeText(getApplicationContext(),value,Toast.LENGTH_SHORT).show();

        }

        @Override
        public void onNothingSelected(AdapterView<?> parent) {

```

}





