Experiment-2

Develop an application that implements Spinner component and perform event handling

CODE

Activity_Main.java

```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">

    <Spinner
        android:id="@+id/spinner"
        android:scrollbarSize="100dp"
        android:layout_width="200dp"
        android:layout_height="50dp"
        android:layout_marginStart="1dp"
        android:layout_marginTop="163dp"
        android:layout_marginEnd="1dp"
        android:layout_marginBottom="169dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

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

Activity_Main.java

```java
package com.example.spinner;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Spinner;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity implements
AdapterView.OnItemSelectedListener {
    String[] Country={"India","USA","Germany","France","Italy"};

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

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```
        Spinner sp=(Spinner)findViewById(R.id.spinner);
        sp.setOnItemSelectedListener(this);
        ArrayAdapter aa=new ArrayAdapter(this, android.R.layout.simple_spinner_item,Country);
        aa.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        sp.setAdapter(aa);

    }

    @Override
    public void onItemSelected(AdapterView<?> arg0, View arg1, int position, long id) {
        Toast.makeText(getApplicationContext(),Country[position],
Toast.LENGTH_LONG).show();
    }

    @Override
    public void onNothingSelected(AdapterView<?> arg0) {

    }
}
```

OUTPUT