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## **Experiment No.: 15**

### **Aim**

Develop an application that implements Spinner component and perform event handling

### **CO4**

Implement activities with dialogs, spinner, fragments and navigation drawer by applying themes

### **Procedure**

#### 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">
    <Spinner
        android:id="@+id/spinner"
        android:layout_width="360dp"
        android:layout_height="36dp"
        android:layout_marginStart="4dp"
        android:layout_marginTop="20dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView2" />
    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
        android:layout_marginStart="160dp"
        android:layout_marginTop="100dp"
        android:text="TextView"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

### MainActivity.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.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Spinner;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity implements
    AdapterView.OnItemClickListener{

    String[] pets={"Lilly","Rose","Lotus","Dalia" };

    @Override

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

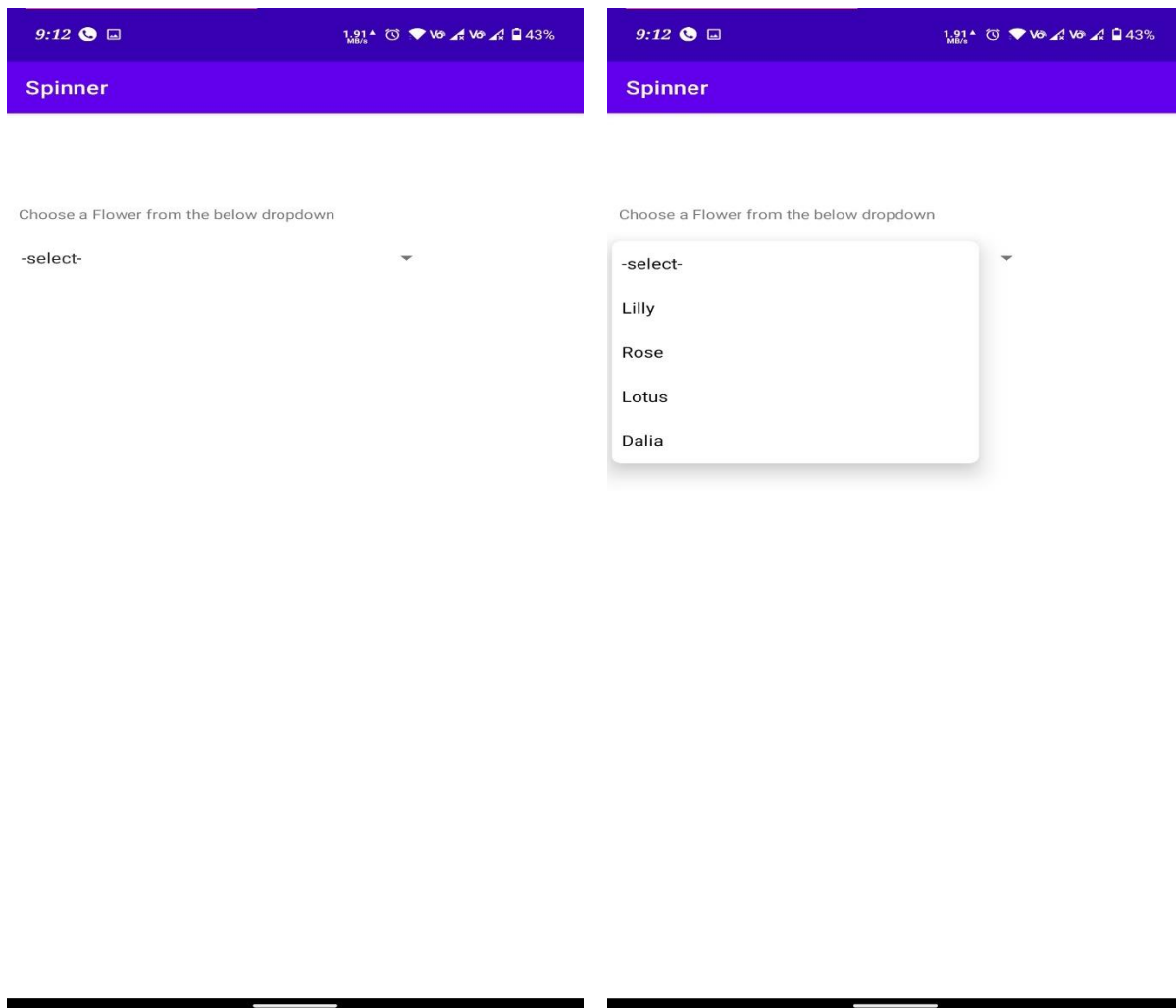
        Spinner spin = (Spinner) findViewById(R.id.spinner);
        spin.setOnItemSelectedListener(this);

        ArrayAdapter aa = new ArrayAdapter(this, android.R.layout.simple_spinner_item,pets);
        aa.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spin.setAdapter(aa);}

    @Override
```

```
public void onItemSelected(AdapterView<?> parent, View view, int i, long l) {  
    Toast.makeText(getApplicationContext(),pets[i], Toast.LENGTH_SHORT).show();}  
  
@Override  
public void onNothingSelected(AdapterView<?> parent) {  
    Toast.makeText(this, "nothing Selected", Toast.LENGTH_SHORT).show();}}
```

## Output Screenshot





Choose a Flower from the below dropdown

Dalia



## **Result**

The program was executed and the result was successfully obtained. Thus CO4 was obtained.