Program

Aim: Program to develop an application that uses ArrayAdapter with ListView

XML Code:

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
xmlns:app="http://schemas.android.com/apk/res-auto"

android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".arrayAdapter">

<ListView android:id="@+id/mobile_list"
android:layout_width="match_parent"

    android:layout_height="wrap_content" >
</ListView>
</LinearLayout
>
```

Java Code:

```java
package com.example.ArrayAdapter;
import androidx.appcompat.app.AppCompatActivity;
importandroid.os.Bundle;
importandroid.view.View;

import android.widget.AdapterView;
importandroid.widget.ArrayAdapter;
```

```java
import android.widget.ListView;

import android.widget.TextView;

import android.widget.Toast;

public class arrayAdapter extends
AppCompatActivity implements
AdapterView.OnItemClickListener {

ListView l;

String[] days = {"Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday",
"Saturday"};

@Override

protected void onCreate(Bundle savedInstanceState) {super.onCreate(savedInstanceState);

    super.onCreate(savedInstanceState);

setContentView(R.layout.activity_array_adapter);

    l = findViewById(R.id.mobile_list);

ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
R.layout.support_simple_spinner_dropdown_item, days);

l.setAdapter(adapter);

l.setOnItemClickListener(this);

}

@Override

public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {

TextView temp = (TextView) view;

Toast.makeText(this, "You clicked " + temp.getText() + " at " + i,

Toast.LENGTH_LONG).show();
```

```
        }


        }
```

Output: