**Program no: 10**

**Aim:** Implement Adapters and perform exception handling

# XML Code:

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="<http://schemas.android.com/apk/res/android>"

xmlns:app=["ht](http://schemas.android.com/apk/res-auto)t[p://schemas.android.com/apk/res-auto](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">

<ListView android:layout\_width="409dp" android:layout\_height="354dp" tools:layout\_editor\_absoluteX="1dp" tools:layout\_editor\_absoluteY="1dp" android:id="@+id/list1"/>

</androidx.constraintlayout.widget.ConstraintLayout>

# Java Code:

package com.example.myadapter;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle; import android.view.View;

import android.widget.AdapterView;import android.widget.ArrayAdapter;import

android.widget.ListView; import android.widget.TextView; import android.widget.Toast;

public class MainActivity extends AppCompatActivity implements AdapterView.OnItemClickListener {

ListView l1; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

String[] cars = {"BMW", "BENZ", "AUDI"};

try {

ArrayAdapter<String> adapter = new ArrayAdapter<String>(this, R.layout.support\_simple\_spinner\_dropdown\_item, cars);

l1.setAdapter(adapter); l1.setOnItemClickListener(this);

}

catch (Exception e)

{

Toast.makeText(this,e.getMessage(),Toast.LENGTH\_SHORT).show();

}

}

@Override

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

Toast.makeText(this, tem.getText(), Toast.LENGTH\_LONG).show();

}

}

# Output:

