PROGRAM NO :1

AIM: Implement Adapters and perform exception handling.

PROGRAM CODE:

| Mainactivity.java | ```java
package com.example.empty;


import androidx.appcompat.app.AppCompatActivity;


import android.os.Bundle;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.ListView;

import android.widget.Toast;


public class MainActivity extends AppCompatActivity {


    ListView list;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);


        try {
``` |

```
                //ListView list = findViewById(R.id.l1);

                String[] her = {"targareyen", "lannister",
"heisenberg", "geralt of rivia", "yennefer", "ciri",
"pinkman", "eleven", "raul", "dicaprio"};

                ArrayAdapter<String> adap = new
ArrayAdapter<String>(MainActivity.this,
android.R.layout.simple_list_item_1, her);

                list.setAdapter(adap);

        }

        catch (Exception e)

        {

Toast.makeText(this,e.getMessage(),Toast.LENGTH_LONG).show(
);

        }

    }

}
```

| Activity_main.xml | ```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">

    <ListView
        android:id="@+id/l1"
        android:layout_width="313dp"
        android:layout_height="512dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

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

OUTPUT:

Attempt to invoke virtual method 'void android.widget.ListView.setAdapter(android.widget.ListAdapter)' on a null object reference

RESULT

Program Has Been Succesfully Executed And Output Is Obtained.