

# Ex.No:6 Build a program to create a first display screen of any search engine using Auto Complete Text View.

## ’ AIM:

To develop a program to create a first display screen of any search engine using AutoComplete TextView in Android Studio.

## ’ EQUIPMENTS REQUIRED:

Android Studio(Min.required Artic Fox)

## ’ ALGORITHM:

### ’ Step 1:

Open Android Stdio and then click on File -> New -> New project.

### ’ Step 2:

Then type the Application name as searchengine and click Next.

### ’ Step 3:

Then select the Minimum SDK as shown below and click Next.

### ’ Step 4:

Then select the Empty Activity and click Next. Finally click Finish.

### ’ Step 5:

Design layout using AutoComplete TextView in activity\_main.xml.

### ’ Step 6:

Display screen of search engine in MainActivity file.

### ’ Step 7:

Save and run the application.

## PROGRAM:

```
/*
Program to print the text "display screen of any search engine".
Developed by:M.Hariharan
Registration Number :212221230034
*/
```

## MainActivity.java

```
package com.example.auto_complete_view_experiment;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.ArrayAdapter;
import android.widget.AutoCompleteTextView;

public class MainActivity extends AppCompatActivity {
    AutoCompleteTextView autocomplete;

    String[] arr = {
"Bing", "Google", "Yandex", "Yahoo", "DuckDuckGo", "Swisscows", "StartPage", "Gibiru"};

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        autocomplete = (AutoCompleteTextView)
            findViewById(R.id.autoCompleteTextView1);

        ArrayAdapter<String> adapter = new ArrayAdapter<String>
            (this, android.R.layout.select_dialog_item, arr);

        autocomplete.setThreshold(2);
        autocomplete.setAdapter(adapter);
    }
}
```

## activity\_main.xml

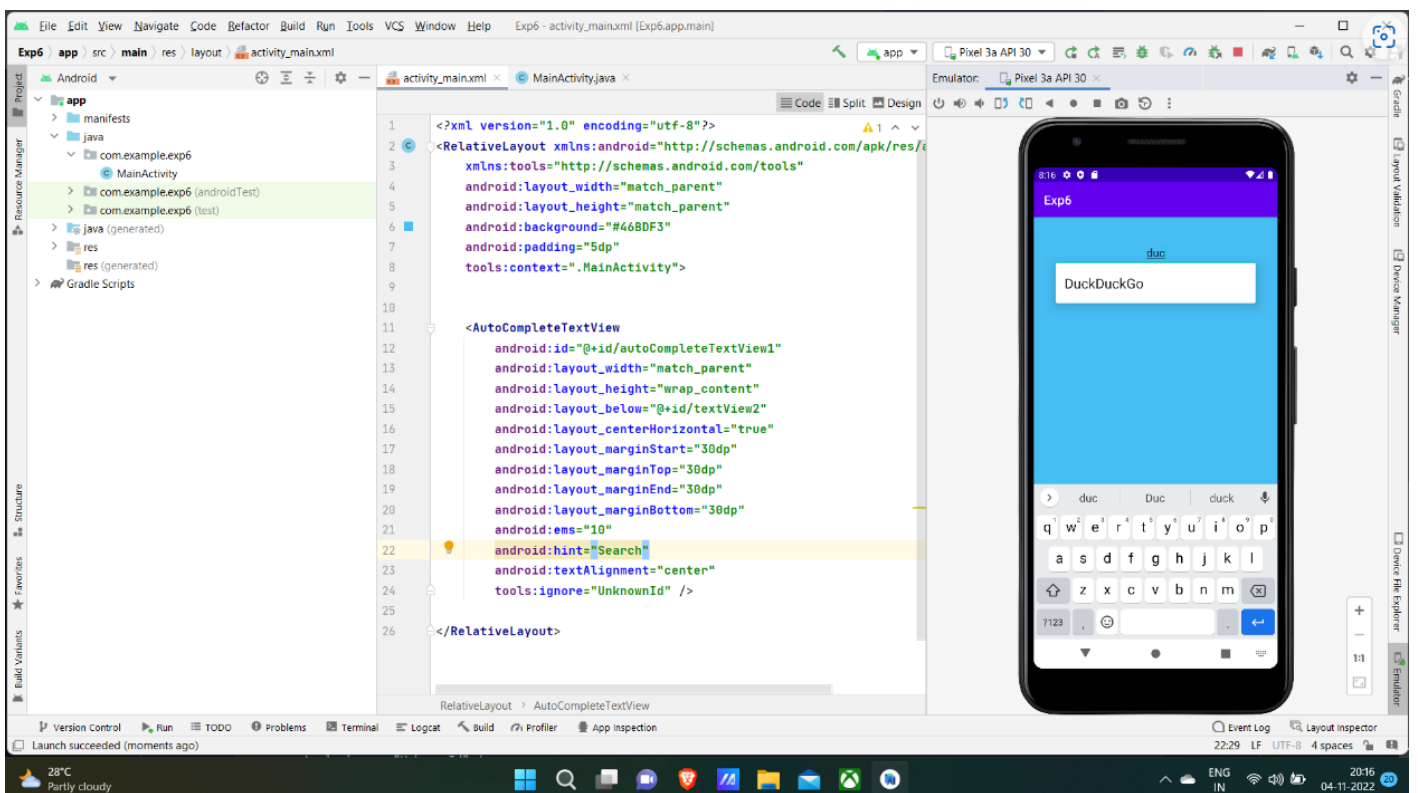
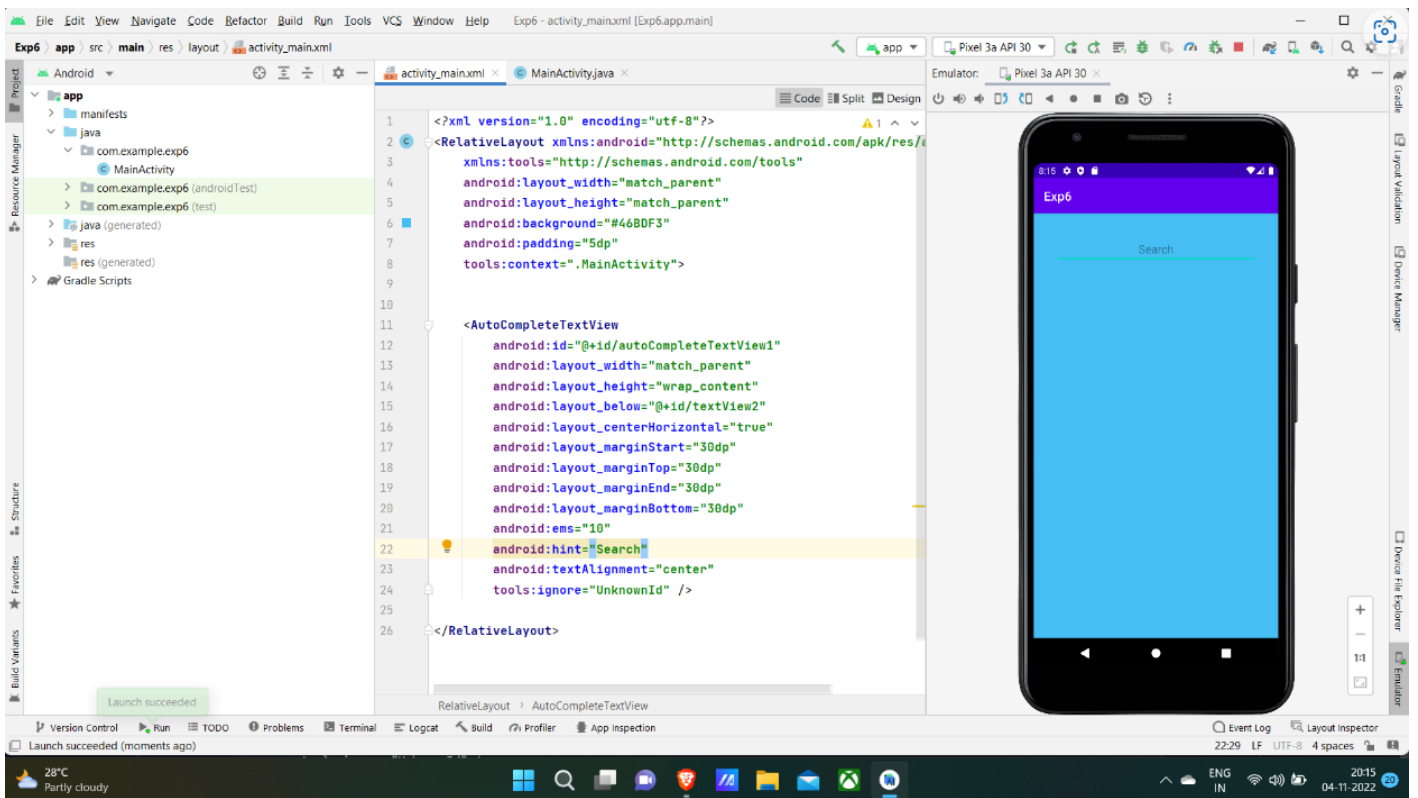
```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
```

```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="#A86D6D"
android:padding="5dp"
tools:context=".MainActivity">
```

```
<AutoCompleteTextView
    android:id="@+id/autoCompleteTextView1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@+id/textView2"
    android:layout_centerHorizontal="true"
    android:layout_marginStart="30dp"
    android:layout_marginTop="30dp"
    android:layout_marginEnd="30dp"
    android:layout_marginBottom="30dp"
    android:ems="10"
    android:hint="@string/example_autocompletetextview"
    android:textAlignment="center"
    tools:ignore="UnknownId" />
```

```
</RelativeLayout>
```

' **OUTPUT**



## RESULT

Thus a Simple Android Application develop a program to create a first display screen of any search engine using AutoComplete TextView in Android Studio is developed and executed successfully.