Exercise:

1. **Write program to create a first displays screen of any search engine using auto complete text view .**

- **activity_main.xml**

```xml
<?xml version="1.0" encoding="utf-8"?>
<AbsoluteLayout 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"
  tools:context=".MainActivity">

  <TextView
    android:layout_width="239dp"
    android:layout_height="52dp"
    android:layout_x="89dp"
    android:layout_y="159dp"
    android:text="Select Your City"
    android:textSize="24sp" />

  <AutoCompleteTextView
    android:id="@+id/actv"
    android:layout_width="248dp"
    android:layout_height="wrap_content"
    android:layout_x="88dp"
    android:layout_y="263dp"
    android:text=""
    android:textSize="24sp" />
</AbsoluteLayout>
```

- **acitivitymain.java**

```java
package com.example.pr8q1_acv;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.*;
public class MainActivity extends AppCompatActivity {
  AutoCompleteTextView ad;
  String[] s={"ETI","EDE","PHP","WBP","MAD","MGT","CPE"};
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    ArrayAdapter<String> myad=new ArrayAdapter<String>
    (this, android.R.layout.select_dialog_item,s);
    ad=findViewById(R.id.actv);
    ad.setThreshold(1);
    ad.setAdapter(myad);
  }
}
```

2. Write program to display all the subject of sixth semester using AutoComplete TextView.
- activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<AbsoluteLayout 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"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="239dp"
        android:layout_height="52dp"
        android:layout_x="89dp"
        android:layout_y="159dp"
        android:text="CO-6I SUBJECTS"
        android:textSize="24sp" />

    <AutoCompleteTextView
        android:id="@+id/actv"
        android:layout_width="248dp"
        android:layout_height="wrap_content"
        android:layout_x="88dp"
        android:layout_y="263dp"
        android:text=""
        android:textSize="24sp" />
</AbsoluteLayout>
```

- **acitivitymain.java**

```java
package com.example.pr8q1_acv;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.*;
public class MainActivity extends AppCompatActivity {
    AutoCompleteTextView ad;
    String[] s={"Sangli","Satara","Kolhapur","Pune","Mumbai","Nashik","Nagpur"};
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        ArrayAdapter<String> myad=new ArrayAdapter<String>
        (this, android.R.layout.select_dialog_item,s);
        ad=findViewById(R.id.actv);
        ad.setThreshold(1);
        ad.setAdapter(myad);
    }
}
```

OUTPUT: