

Q1. Write a program to create a first display screen of any search engine using Auto Complete Text View

XML code:

```
<?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">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Google"
        android:textColor="#FD0303"
        android:textSize="40dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.535"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.082" />
    <AutoCompleteTextView
        android:id="@+id/ac1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="182dp"
        android:layout_marginBottom="504dp"
        android:dropDownWidth="match_parent"
        android:dropDownHeight="match_parent"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

String.xml code:

```
<resources>
    <string name="app_name">Search Engine</string>
    <string-array name="cities">
        <item>"Kolhapur"</item>
        <item>"Pune"</item>
        <item>"Mumbai"</item>
        <item>"Nashik"</item>
        <item>"Nagpur"</item>
        <item>"Kolkata"</item>
        <item>"Manipur"</item>
        <item>"Patna"</item>
    </string-array>
</resources>
```

JAVA code:

```
package com.example.searchengine;
import androidx.appcompat.app.AppCompatActivity;
import android.content.res.Resources;
import android.graphics.Color;
import android.os.Bundle;
import android.widget.ArrayAdapter;
import android.widget.AutoCompleteTextView;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Resources res=getResources();
        String[] city=res.getStringArray(R.array.cities);
        ArrayAdapter<String> adapter=new
ArrayAdapter<String>(this,android.R.layout.select_dialog_item,city);
        AutoCompleteTextView actv=(AutoCompleteTextView)findViewById(R.id.ac1);
        actv.setThreshold(1);
        actv.setAdapter(adapter);
    }
}
```

Output:



Q2. Write a program to display all the subjects of sixth semester using Auto Complete Text View

XML code:

```
<?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">
    <AutoCompleteTextView
        android:id="@+id/ac1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="191dp"
        android:layout_marginBottom="495dp"
        android:dropDownWidth="match_parent"
        android:dropDownHeight="match_parent"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
    <TextView
        android:id="@+id/t1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="133dp"
        android:layout_marginBottom="579dp"
        android:text="Subjects for 6th semester"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

JAVA code:

```
package com.example.autocomplete;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.ArrayAdapter;
import android.widget.AutoCompleteTextView;
public class MainActivity extends AppCompatActivity {
    String[] subjects={"PWP","MAD","ETI","EDE","MGT","NIS","CPE"};
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        ArrayAdapter<String> adapter=new
ArrayAdapter<String>(this,android.R.layout.select_dialog_item,subjects);
        AutoCompleteTextView actv = (AutoCompleteTextView)findViewById(R.id.ac1);
        actv.setThreshold(1);
        actv.setAdapter(adapter);
    }
}
```

Output:

