<u>Practical 8</u>

1. Write a program to create a first display screen of any search engine using AutoCompleTextView.

Xml Code :

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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">
    <ImageView
        android:id="@+id/g_img"
        android:layout_width="match_parent"
        android:layout_height="250dp"
        android:layout_marginTop="10dp"
        android:src="@drawable/img_3" />
    <ImageView
        android:layout_width="70dp"
        android:layout_height="81dp"
        android:layout_alignBottom="@id/at1"
        android:layout_marginRight="0dp"
        android:layout_toLeftOf="@id/at1"
        android:src="@drawable/img" />
    <ImageView
        android:layout_width="50dp"
        android:layout_height="83dp"
        android:layout_alignBottom="@id/at1"
        android:layout_toRightOf="@id/at1"
        android:src="@drawable/img_2" />
    <AutoCompleteTextView
        android:id="@+id/at1"
        android:layout_width="wrap_content"
        android:layout_height="83dp"
        android:layout_below="@+id/g_img"
        android:layout_centerHorizontal="true"
        android:backgroundTint="@color/black"
        android:hint="Search google or enter url"
        android:textColorHint="#6E6969"
        android:textSize="25sp" />
</RelativeLayout>
```

Java Code :

```
package com.example.exp8;
import androidx.appcompat.app.AppCompatActivity;
import android.graphics.Color;
import android.os.Bundle;
import android.widget.ArrayAdapter;
import android.widget.AutoCompleteTextView;
public class MainActivity extends AppCompatActivity {
    String[] ques ={"What is a Car?","What is a Bike?","What is a Train?","What is a Bus?","What is an
Elephant?","Who is Gautam Buddha?","What is a computer?"};
    @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,
ques);
        AutoCompleteTextView autotxt = (AutoCompleteTextView) findViewById(R.id.at1);
        autotxt.setThreshold(1);
        autotxt.setAdapter(adapter);//setting the adapter data into the AutoCompleteTextView
        autotxt.setTextColor(Color.BLUE);
    }
}
```

Output:

2. Write a program to display all subjects of 6ᵗʰ semester using auto complete textview.

Code:

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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=".MainActivity2">
    <ImageView
        android:src="@drawable/img_4"
        android:id="@+id/img"
        android:layout_height="wrap_content"
        android:layout_width="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="40dp"/>
    <AutoCompleteTextView
        android:id="@+id/auto"
        android:layout_width="250dp"
        android:layout_height="wrap_content"
        android:layout_below="@id/img"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="30dp"
        android:backgroundTint="@color/black"
        android:dropDownSelector="@color/cardview_light_background"
        android:hint="Search Subjects..."
        android:popupTheme="@color/design_default_color_background"
        android:textSize="25dp" />
</RelativeLayout>
```

Java Code :

```java
package com.example.exp8;
import androidx.appcompat.app.AppCompatActivity;
import android.graphics.Color;
import android.os.Bundle;
import android.widget.ArrayAdapter;
import android.widget.AutoCompleteTextView;
public class MainActivity2 extends AppCompatActivity {
    String[] sub ={"Python","PHP", "Android Development", "EDE", "Management", "CPE",
    "ETI"};
```

```
@Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        ArrayAdapter<String> adapter = new ArrayAdapter<String> (this,
android.R.layout.select_dialog_item, sub);
        AutoCompleteTextView autotxt = (AutoCompleteTextView) findViewById(R.id.auto);
        autotxt.setThreshold(1);
        autotxt.setAdapter(adapter);//setting the adapter data into the AutoCompleteTextView
        autotxt.setTextColor(Color.BLUE);
    } }
```

Output: