

Experiment 08

1.

AndroidManifest.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    package="com.example.android">
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/Theme.Android">
        <activity android:name=".MainActivity"
            tools:ignore="MissingClass"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

Strings.xml

```
<resources>
    <string name="app_name">Android</string>
    <string name="heading">Six Semester Subjects</string>
</resources>
```

Activity_main.xml

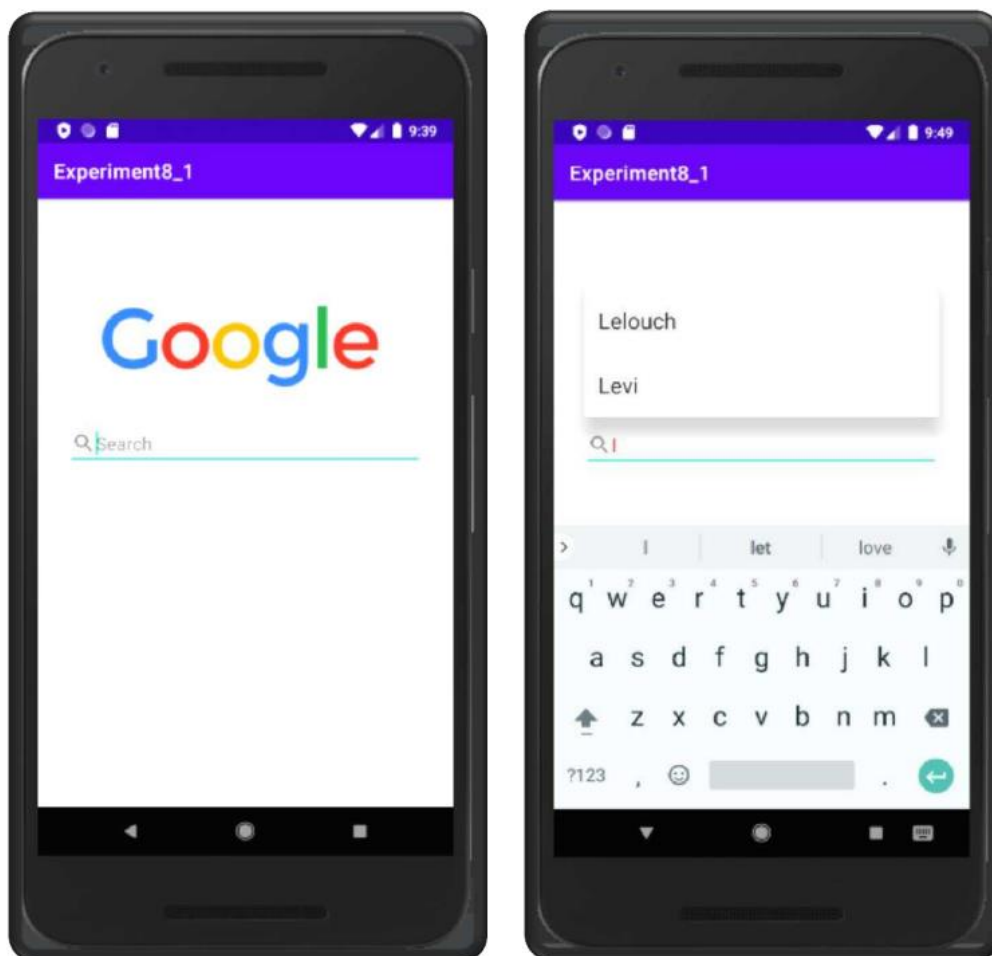
```
z<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="20dp"
    tools:context=".MainActivity">
    <ImageView
```

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:src="@drawable/logo" />
<AutoCompleteTextView
    android:id="@+id/autoCompleteTextView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginStart="10dp"
    android:layout_marginLeft="10dp"
    android:layout_marginEnd="10dp"
    android:layout_marginTop="200dp"
    android:hint="Search"
    android:text=""
    android:drawableLeft="@drawable/search"/>
</RelativeLayout>

```

Output:



2.

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.Project"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

Activity_main.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"
    android:padding="20dp"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/heading"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="10dp"
        android:layout_marginLeft="10dp"
```

```

        android:layout_marginTop="35dp"
        android:textAppearance="?android:textAppearanceLarge"/>
<AutoCompleteTextView
    android:id="@+id/autoCompleteTextView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginStart="10dp"
    android:layout_marginLeft="10dp"
    android:layout_marginEnd="10dp"
    android:layout_marginTop="175dp"
    android:text="" />
</RelativeLayout>

```

MainActivity.java

```

package com.example.project;
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[] subjects = {"Management", "Programming with Python", "Mobile Application
Development",
        "Emerging Trends in Computer and Information", "Web Based Application
Development Using PHP",
        "Entrepreneurship Development", "Capstone Project"};
    @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.autoCompleteTextView);
        actv.setThreshold(1);
        actv.setAdapter(adapter);
        actv.setTextColor(Color.RED);
    }
}

```

Output:

