PRACTICAL-3.2

AIM:

Create simple program which show the use of Auto Complete Text View

PROGRAM CODE:

- **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/autoComplete"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:hint="@string/branch_name"
        android:minHeight="48dp"
        app:layout_constraintBottom_toBottomOf="parent"
```

```
    app:layout_constraintEnd_toEndOf="parent"
     app:layout_constraintHorizontal_bias="0.498"
     app:layout_constraintStart_toStartOf="parent"
     app:layout_constraintTop_toTopOf="parent"
     app:layout_constraintVertical_bias="0.304"
     tools:ignore="TextContrastCheck" />

  <Button
     android:id="@+id/button"
     android:layout_width="wrap_content"
     android:layout_height="wrap_content"
     android:layout_marginTop="36dp"
     android:background="@android:color/holo_green_dark"
     android:onClick="display"
     android:text="@string/button"
     android:textColor="#FFC107"
     app:layout_constraintBottom_toBottomOf="parent"
     app:layout_constraintEnd_toEndOf="parent"
     app:layout_constraintHorizontal_bias="0.498"
     app:layout_constraintStart_toStartOf="parent"
     app:layout_constraintTop_toBottomOf="@+id/autoComplete"
     app:layout_constraintVertical_bias="0.173"
     app:rippleColor="#8BC34A"
     tools:ignore="TextContrastCheck,TextContrastCheck,TextContrastCheck" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

- **STRINGS.XML:**

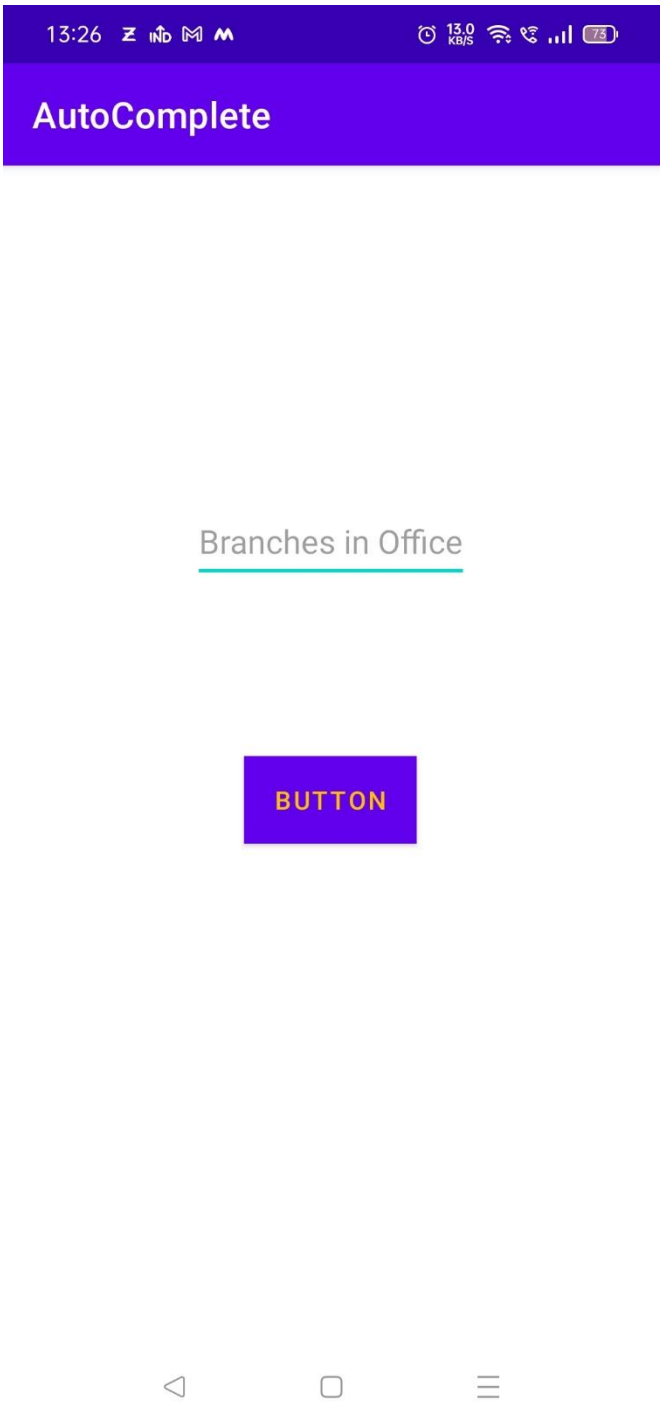
```
<resources>
    <string name="app_name">AutoComplete</string>
    <string name="branch_name">Branches in Office</string>
    <string name="button">Button</string>
</resources>
```

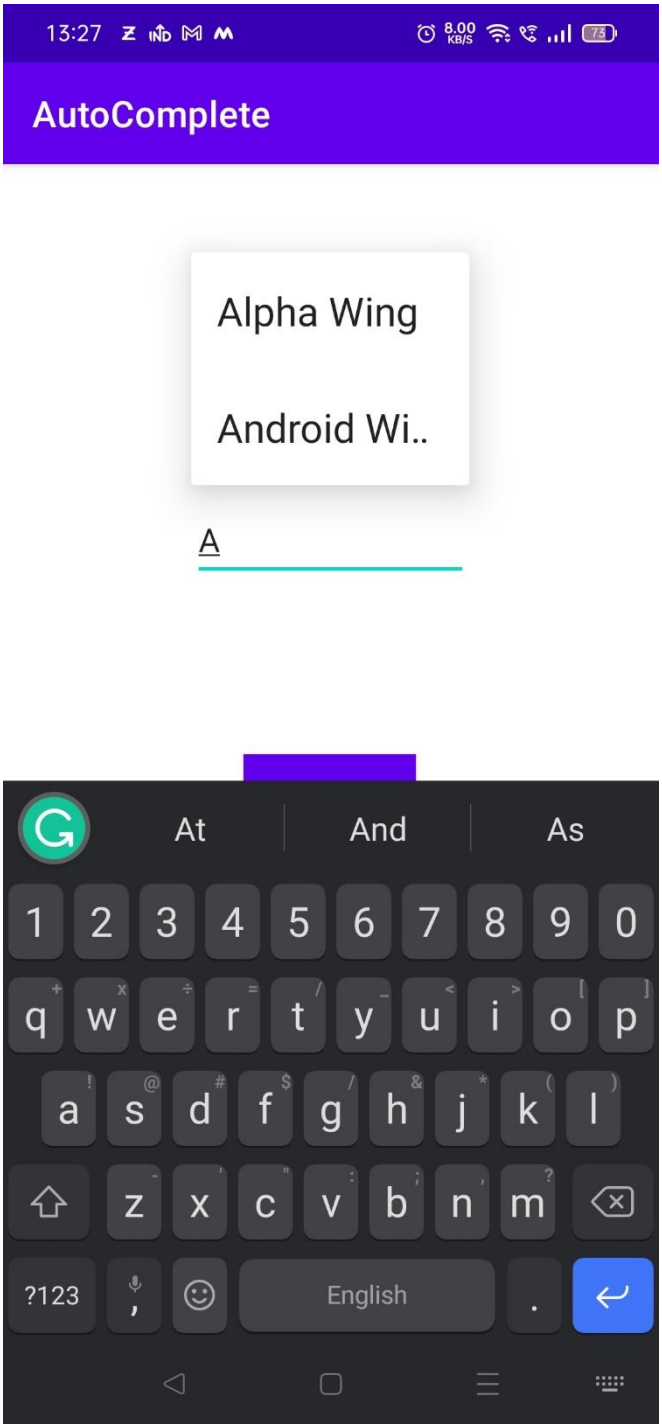
- **JAVA CODE:**

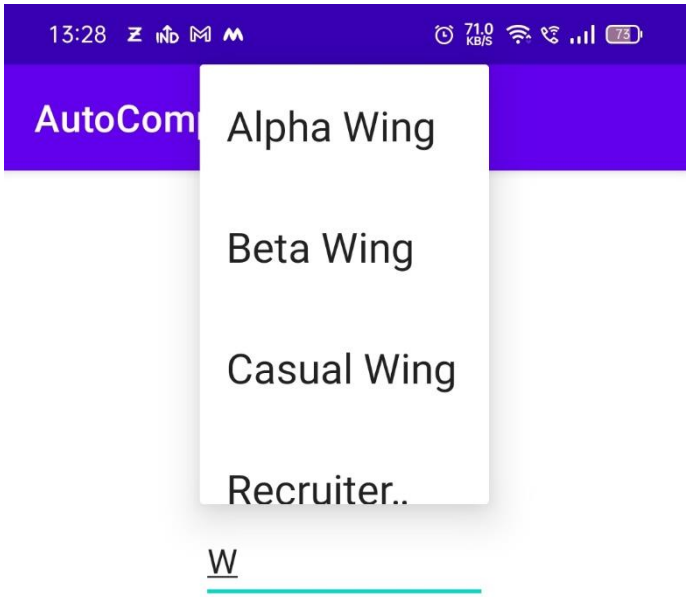
```
package com.parthnpatel.autocomplete;


import androidx.appcompat.app.AppCompatActivity;


import android.os.Bundle;
import android.view.View;
import android.widget.ArrayAdapter;
import android.widget.AutoCompleteTextView;
import android.widget.Button;
import android.widget.Toast;



public class MainActivity extends AppCompatActivity {


   String[] branch={"Alpha Wing","Beta Wing","Casual Wing","HR Dept.","Recruiter Wing", "Backend Wing","Frontend Wing",
   "Android Wing","IOS Wing"};
        AutoCompleteTextView autoCompleteTextView;
   Button button;


   @Override
   protected void onCreate(Bundle savedInstanceState) {
```

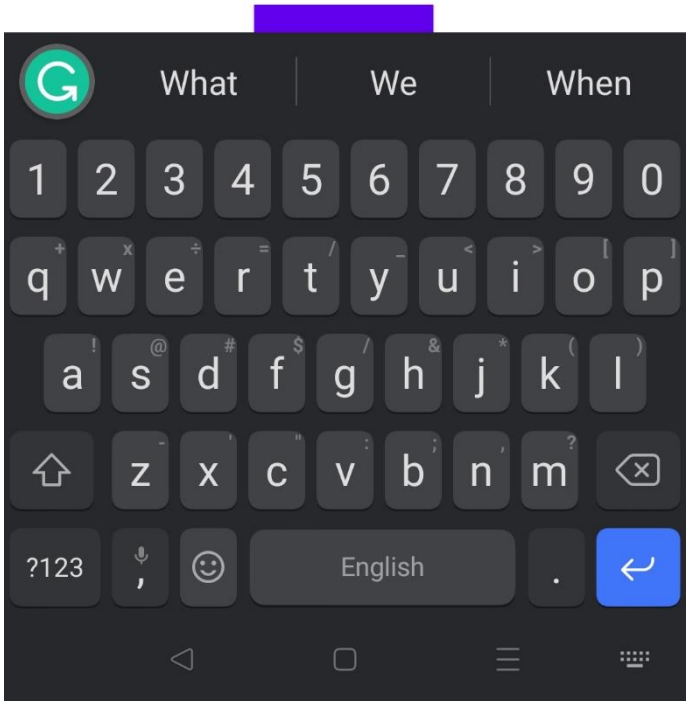
```
    super.onCreate(savedInstanceState);
     setContentView(R.layout.activity_main);


     autoCompleteTextView = findViewById(R.id.autoComplete);
     button = findViewById(R.id.button);
     ArrayAdapter<String> adapter= new ArrayAdapter<String>(this,
          android.R.layout.select_dialog_item,branch);
     autoCompleteTextView.setThreshold(1);
     autoCompleteTextView.setAdapter(adapter);
  }
  public void display(View view){
     String s=autoCompleteTextView.getText().toString();
     Toast.makeText(getApplicationContext(),s, Toast.LENGTH_LONG).show();


  }
}
```

OUTPUT:




13:27
AutoComplete
Alpha Wing
Android Wi..
A
At
And
As
1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
?123
English


13:28
AutoCom
Alpha Wing
Beta Wing
Casual Wing
Recruiter..
W


What
We
When
1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
?123
English