**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:**





