**Practical 8**

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

Xml Code :

<?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:

Graphical user interface, text, application, chat or text message

Description automatically generated Graphical user interface, text, application, chat or text message

Description automatically generated Graphical user interface, text, application, chat or text message

Description automatically generated

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

Code:

<?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 :

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:

Text

Description automatically generated with medium confidence Graphical user interface, text, application

Description automatically generated Graphical user interface, text

Description automatically generated