**Layout File.**

<?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">

<ListView

android:id="@+id/listView"

android:layout\_width="match\_parent"

android:layout\_height="fill\_parent"

tools:ignore="MissingConstraints" />

</androidx.constraintlayout.widget.ConstraintLayout>

**menu.xml**

<?xml version="1.0" encoding="utf-8"?>

<menu xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto">

<item

android:id="@+id/appbar"

android:icon="@drawable/ic\_search\_black\_24dp"

android:title="Search"

app:showAsAction="ifRoom|withText"

app:actionViewClass="android.widget.SearchView"/>

</menu>

**Java File**

package com.example.201806100110094\_Ques5;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.view.MenuItemCompat;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuMenu\_inflaterobj;

import android.view.MenuItem;

import android.widget.ArrayAdapter;

import android.widget.ListView;

import android.widget.SearchView;

import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {

ListView listView;

ArrayList<String> list;

ArrayAdapter<String > adapter;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

listView = (ListView) findViewById(R.id.listView);

list = new ArrayList<>();

list.add("Monday");

list.add("Tuesday");

list.add("Wednesday");

list.add("Thursdau");

list.add("Friday");

list.add("Saturday");

list.add("Sunday");

list.add("BAC");

list.add("anydemostring");

list.add("viraj");

list.add("pratik");

list.add("parth");

adapter = new ArrayAdapter<String>(this, android.R.layout.simple\_list\_item\_1,list);

listView.setAdapter(adapter);

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

MenuMenu\_inflaterobj menu\_inflaterobj = getMenuMenu\_inflaterobj();

menu\_inflaterobj.inflate(R.menu.menu, menu);

MenuItem searchViewItem = menu.findItem(R.id.appbar);

final SearchView searchView = (SearchView) MenuItemCompat.getActionView(searchViewItem);

searchView.setOnQueryTextListener(new SearchView.OnQueryTextListener() {

@Override

public boolean onQueryTextSubmit(String query) {

searchView.clearFocus();

/\* if(list.contains(query)){

adapter.getFilter().filter(query);

}else{

Toast.makeText(MainActivity.this, "No Match found",Toast.LENGTH\_LONG).show();

}\*/

return false;

}

@Override

public boolean onQueryTextChange(String newText) {

adapter.getFilter().filter(newText);

return false;

}

});

return super.onCreateOptionsMenu(menu);

}

}