**14. Create an application which demonstrates use of AutoComplateView class**

1. XML file

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/textView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentLeft="true"

android:layout\_alignParentTop="true"

android:layout\_marginTop="15dp"

android:text="what\_is\_your\_favourite\_programming\_language" />

<AutoCompleteTextView

android:id="@+id/autoCompleteTextView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentLeft="true"

android:layout\_below="@+id/textView1"

android:layout\_marginLeft="36dp"

android:layout\_marginTop="17dp"

android:ems="10"

android:text="">

<requestFocus />

</AutoCompleteTextView>

</RelativeLayout>

1. JAVA file

package com.example.checkbox;

import android.graphics.Color;

import android.os.Bundle;

import android.widget.ArrayAdapter;

import android.widget.AutoCompleteTextView;

import androidx.appcompat.app.AppCompatActivity;

public class AutoFill1 extends AppCompatActivity {

String[] language = {"C", "C++", "Java", ".NET", "python", "ASP.NET", "PHP", "ASP"};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.autofill1);

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

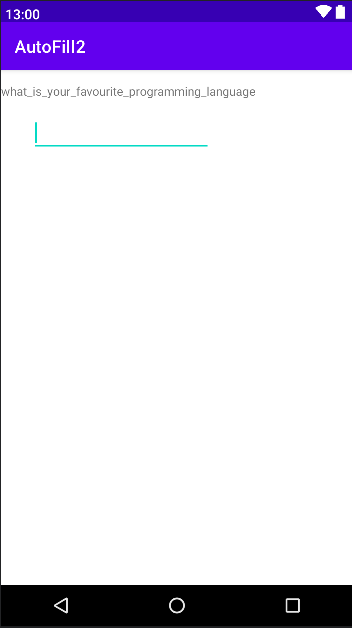
final AutoCompleteTextView actv = (AutoCompleteTextView) findViewById(R.id.autoCompleteTextView1);

actv.setThreshold(1);

actv.setAdapter(adapter);

actv.setTextColor(Color.RED);

}

}

**Create an application which demonstrates use of AutoComplateView class and display the selected text when ok button is pressed.**

2. XML file

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/textView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentLeft="true"

android:layout\_alignParentTop="true"

android:layout\_marginTop="15dp"

android:text="what is your favourite programming language " />

<AutoCompleteTextView

android:id="@+id/autoCompleteTextView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentLeft="true"

android:layout\_below="@+id/textView1"

android:layout\_marginLeft="36dp"

android:layout\_marginTop="17dp"

android:ems="10"

android:text="">

<requestFocus />

</AutoCompleteTextView>

<TextView

android:id="@+id/textViewlang"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/autoCompleteTextView1"

android:layout\_marginTop="15dp"

android:text="You Selected :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<Button

android:id="@+id/buttonSelectlang"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="15dp"

android:layout\_below="@+id/textViewlang"

android:layout\_centerHorizontal="true"

android:text=" OK "

/>

</RelativeLayout>

2. JAVA file

package com.example.checkbox;

import android.graphics.Color;

import android.os.Bundle;

import android.view.View;

import android.widget.ArrayAdapter;

import android.widget.AutoCompleteTextView;

import android.widget.Button;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class AutoFill2 extends AppCompatActivity {

String[] language ={"C","C++","Java",".NET","iPhone","Android","ASP.NET","PHP","ASP"};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.autofill2);

ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,android.R.layout.select\_dialog\_item,language);

final TextView textViewSelectedlang=(TextView)findViewById(R.id.textViewlang);

Button btnSelectedlang=(Button)findViewById(R.id.buttonSelectlang);

final AutoCompleteTextView actv= (AutoCompleteTextView)findViewById(R.id.autoCompleteTextView1);

actv.setThreshold(1);

actv.setAdapter(adapter);

actv.setTextColor(Color.RED);

btnSelectedlang.setOnClickListener(new View.OnClickListener() {

public void onClick(View arg0) {

// TODO Auto-generated method stub

String language=actv.getText().toString();

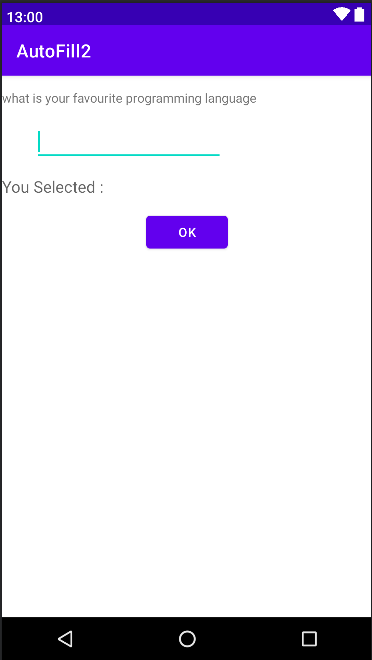
textViewSelectedlang.setText("Favourite Language: "+language);

}

});

}

}



**15. Create an application which demonstrates checkbox button event handling.**

XML file

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical">

<CheckBox

android:id="@+id/chk\_c"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="c" />

<CheckBox

android:id="@+id/chk\_cpp"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="cpp"

android:checked="true" />

<CheckBox

android:id="@+id/chk\_java"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="java" />

<Button

android:id="@+id/btnDisplay"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="display" />

</LinearLayout>

JAVA file

package com.example.checkbox;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.CheckBox;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

private CheckBox chk\_c, chk\_cpp, chk\_java;

private Button btnDisplay;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.checkbox);

addListenerOnChk\_c();

addListenerOnButton();

}

// onclicklister on checkbox for c

public void addListenerOnChk\_c() {

chk\_c = (CheckBox) findViewById(R.id.chk\_c);

chk\_c.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if (((CheckBox) v).isChecked()) {

Toast.makeText(MainActivity.this,"use c", Toast.LENGTH\_LONG).show();

}

}

});

}

public void addListenerOnButton() {

chk\_c = (CheckBox) findViewById(R.id.chk\_c);

chk\_cpp = (CheckBox) findViewById(R.id.chk\_cpp);

chk\_java = (CheckBox) findViewById(R.id.chk\_java);

btnDisplay = (Button) findViewById(R.id.btnDisplay);

btnDisplay.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

StringBuffer result = new StringBuffer();

result.append("C check : ").append(chk\_c.isChecked());

result.append("\nCPP check : ").append(chk\_cpp.isChecked());

result.append("\nJAVA check :").append(chk\_java.isChecked());

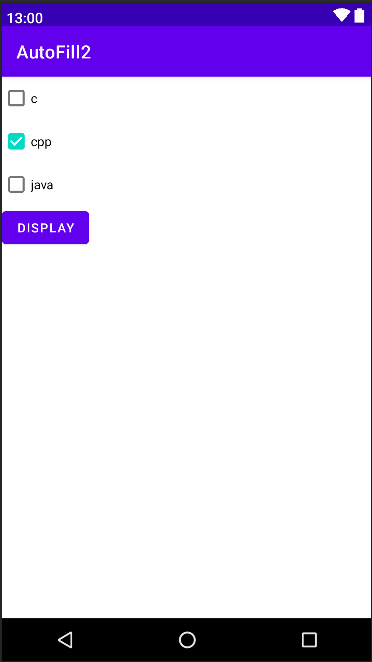
Toast.makeText(MainActivity.this, result.toString(),Toast.LENGTH\_LONG).show();

}

});

}

}



**16. Create an application which demonstrates ListView with it event handling. Display the selected item and item no from the listview using Toast.**

XML file

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical">

<ListView

android:id="@+id/list"

android:layout\_height="wrap\_content"

android:layout\_width="match\_parent"

>

</ListView>

</LinearLayout>

JAVA file

package com.example.lifecycle;

import android.app.Activity;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.ListView;

import android.widget.Toast;

public class List extends Activity {

ListView listView ;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.list);

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

String[] subjects = new String[] { "MCAD", "ADV. JAVA", "COMP NETWORK", "PROJECT-II", "JAVA PROG.", "COA", "PROG. IN C", "PROG. IN C++" };

ArrayAdapter<String> adapter = new ArrayAdapter<String>(this, android.R.layout.simple\_list\_item\_1, android.R.id.text1, subjects);

listView.setAdapter(adapter);

listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {

@Override

public void onItemClick(AdapterView<?> parent, View view, int position, long id)

{

int itemPosition = position;

String itemValue = (String) listView.getItemAtPosition(position);

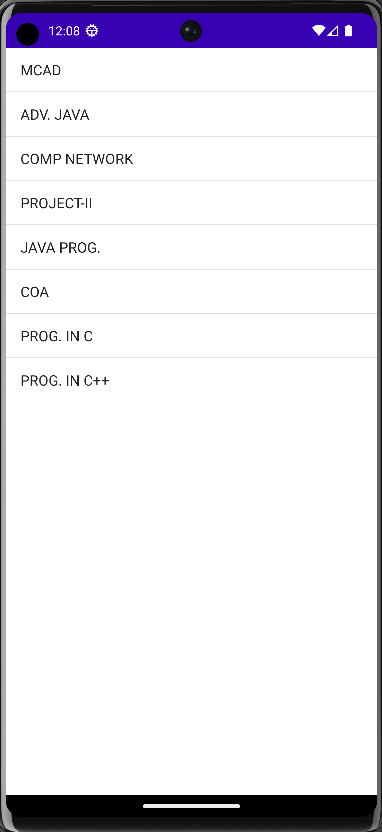
Toast.makeText(List.this, "Position :" +itemPosition+" ListItem : " +itemValue , Toast.LENGTH\_LONG).show();

}

});

}

}



**17. Create an application which demonstrates ListActivity with it event handling.**

XML file

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical">

<ListView

android:id="@+id/list"

android:layout\_height="wrap\_content"

android:layout\_width="match\_parent"

>

</ListView>

</LinearLayout>

JAVA file

package com.example.lifecycle;

import android.app.ListActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.ArrayAdapter;

import android.widget.ListView;

import android.widget.Toast;

public class List2 extends ListActivity {

String days[]={"sunday", "monday", "tuesday", "Wednesday", "thursday", "friday", "satursday"};

public void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

setListAdapter(new ArrayAdapter<String>(this,

android.R.layout.simple\_expandable\_list\_item\_1,days));

}

public void onListItemClick(ListView parent, View v, int position, long id)

{

String item\_name=days[position];

Toast.makeText(this, item\_name, Toast.LENGTH\_LONG).show();

}

}

