**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();

 }

}

