

=====

Ans 1 :

=====

XML File :

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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=".Ans1"
    android:gravity="center"
    android:orientation="vertical">
    <!-- 15_Manankumar_Domadiya -->

    <TextView
        android:id="@+id/tv1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center_horizontal"
        android:text="Jay Sardar"
        android:textAlignment="center"
        android:textSize="30dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        tools:ignore="MissingConstraints" />

    <Button
        android:id="@+id/btnred"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Red"
        android:backgroundTint="#FF0000"
        android:onClick="changeRed"
    />

    <Button
        android:id="@+id/btngreen"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Green"
        android:backgroundTint="#00FF00"
        android:onClick="changeGreen"
    />

    <Button
        android:id="@+id/btnblue"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Blue"
        android:backgroundTint="#0000FF"
        android:onClick="changeBlue"
    />
    <!-- 15_Manankumar_Domadiya -->
```

```
</LinearLayout>
```

Activity File :

```
package com.example.assignment1;

import androidx.appcompat.app.AppCompatActivity;

import android.graphics.Color;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;

public class Ans1 extends AppCompatActivity {
    /* 15_Manankumar_Domadiya */

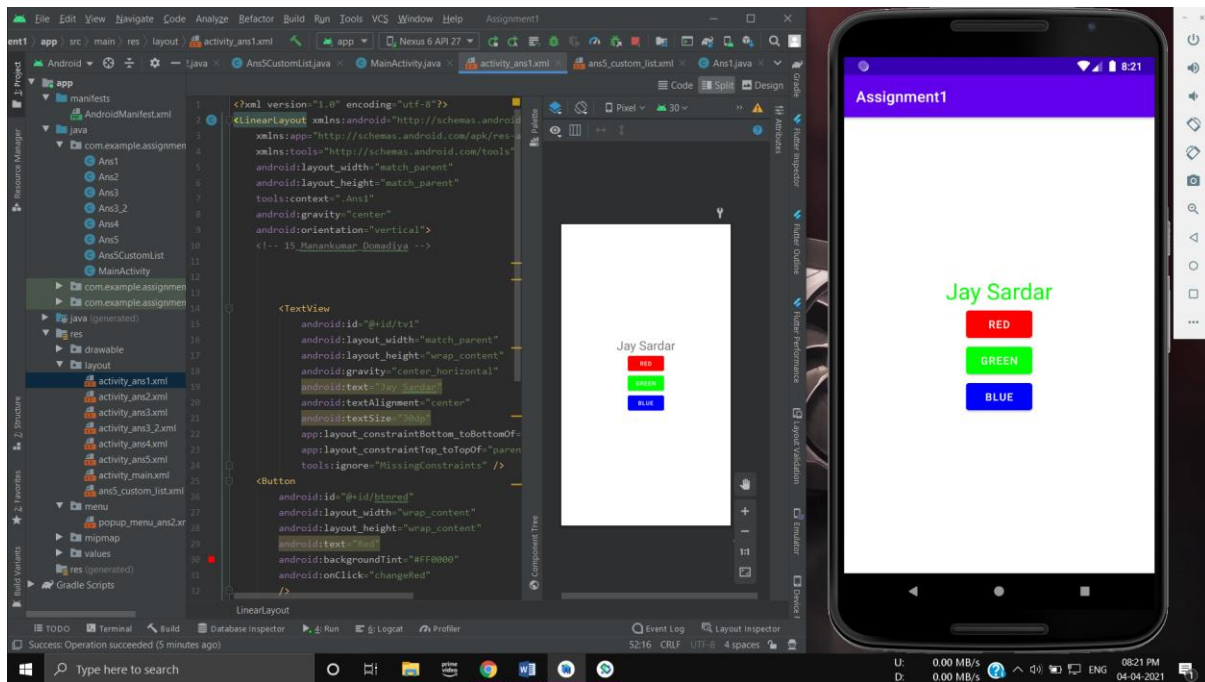
    TextView tv ;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_ans1);
        tv = (TextView) findViewById(R.id.tv1);
    }

    public void changeRed(View view) {
        tv.setTextColor(0xFFFF0000);
    }

    public void changeGreen(View view) {
        tv.setTextColor(0xFF00FF00);
    }

    public void changeBlue(View view) {
        tv.setTextColor(0xFF0000FF);
    }
}
```

Output :



Ans 2 :

XML File :

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".Ans2"
    android:gravity="center">

    <!-- 15_Manankumar_Domadiya -->

    <Button
        android:id="@+id/button"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Open Context Menu"
        android:onClick="openContextMenu"
    />
</LinearLayout>
```

Popup menu XML File :

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <!-- 15_Manankumar_Domadiya -->

    <item
        android:id="@+id/a1"
        android:title="Answere 1"/>
    <item
        android:id="@+id/a2"
        android:title="Answere 2"/>
    <item
        android:id="@+id/a3"
        android:title="Answere 3"/>
    <item
        android:id="@+id/a4"
        android:title="Answere 4"/>
    <item
        android:id="@+id/a5"
        android:title="Answere 5"/>
    <!-- 15_Manankumar_Domadiya -->

</menu>
```

Activity File :

```
package com.example.assignment1;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.PopupMenu;

public class Ans2 extends AppCompatActivity {
    /* 15_Manankumar_Domadiya */

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_ans2);
    }

    public void openContextMenu(View view) {
        PopupMenu popup = new PopupMenu(this, view);
        popup.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {
            @Override
            public boolean onMenuItemClick(MenuItem item) {
                Intent i ;
                switch (item.getItemId()){
                    case R.id.a1 : i = new Intent(getApplicationContext(),
Ans1.class);
```

```

        startActivity(i);
        return true;
    case R.id.a2 : i = new Intent(getApplicationContext(),
Ans2.class);

        startActivity(i);
        return true;
    case R.id.a3 : i = new Intent(getApplicationContext(),
Ans3.class);

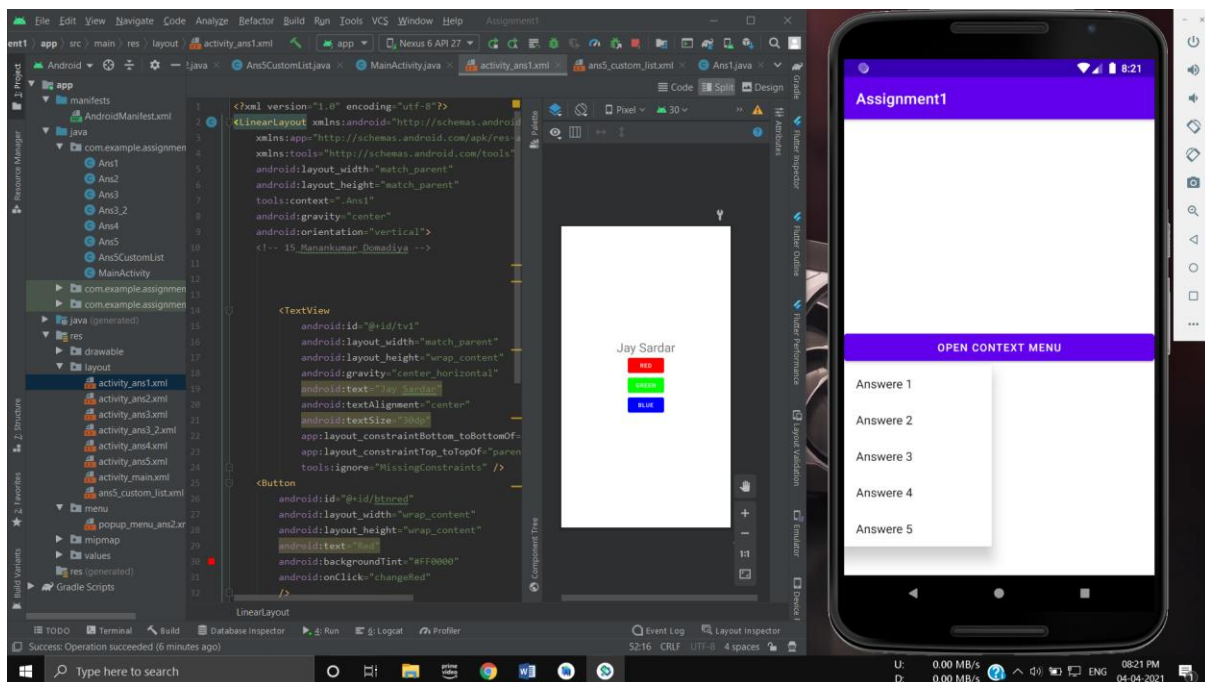
        startActivity(i);
        return true;
    case R.id.a4 : i = new Intent(getApplicationContext(),
Ans5.class);

        startActivity(i);
        return true;
    case R.id.a5 : i = new Intent(getApplicationContext(),
Ans5.class);

        startActivity(i);
        return true;
    default : i = new Intent(getApplicationContext(), Ans4.class);
        startActivity(i);
        return true;
    }
    });
    popup.inflate(R.menu.popup_menu_ans2);
    popup.show();
}
/* 15_Manankumar_Domadiya */
}

```

Output :



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Ans 3 :

=====

XML File 1:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Ans3"

    android:orientation="vertical"
    android:gravity="center"
    android:padding="30dp">
    <!-- 15_Manankumar_Domadiya -->

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter your name"
        android:id="@+id/name"/>
    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter your Surname"
        android:id="@+id/surname"/>
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Send Credencials"
        android:onClick="sendData"/>
    <!-- 15_Manankumar_Domadiya -->

</LinearLayout>
```

XML File 2:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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=".Ans3_2"
    android:gravity="center">
    <!-- 15_Manankumar_Domadiya -->

    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textAlignment="center"
```

```

        android:textSize="30dp"
        android:text="TextView"
        android:textAllCaps="true"/>
<!-- 15_Manankumar_Domadiya -->

```

```
</LinearLayout>
```

Activity File 1:

```

package com.example.assignment1;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;

public class Ans3 extends AppCompatActivity {
    /* 15_Manankumar_Domadiya */

    EditText[] editTexts;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_ans3);
        editTexts = new EditText[2];
        editTexts[0] = (EditText) findViewById(R.id.name);
        editTexts[1] = (EditText) findViewById(R.id.surname);
    }

    public void sendData(View view) {
        if(editTexts[0].getText().toString().isEmpty() ||
        editTexts[1].getText().toString().isEmpty()){
            Toast.makeText(getApplicationContext(),"Please Fill all the
            blanks",Toast.LENGTH_LONG).show();
        }else{
            Intent i = new Intent( getApplicationContext() , Ans3_2.class);
            i.putExtra("name",""+editTexts[0].getText());
            i.putExtra("surname",""+editTexts[1].getText());
            startActivity(i);
        }
    }
}

```

Activity File 2:

```
package com.example.assignment1;

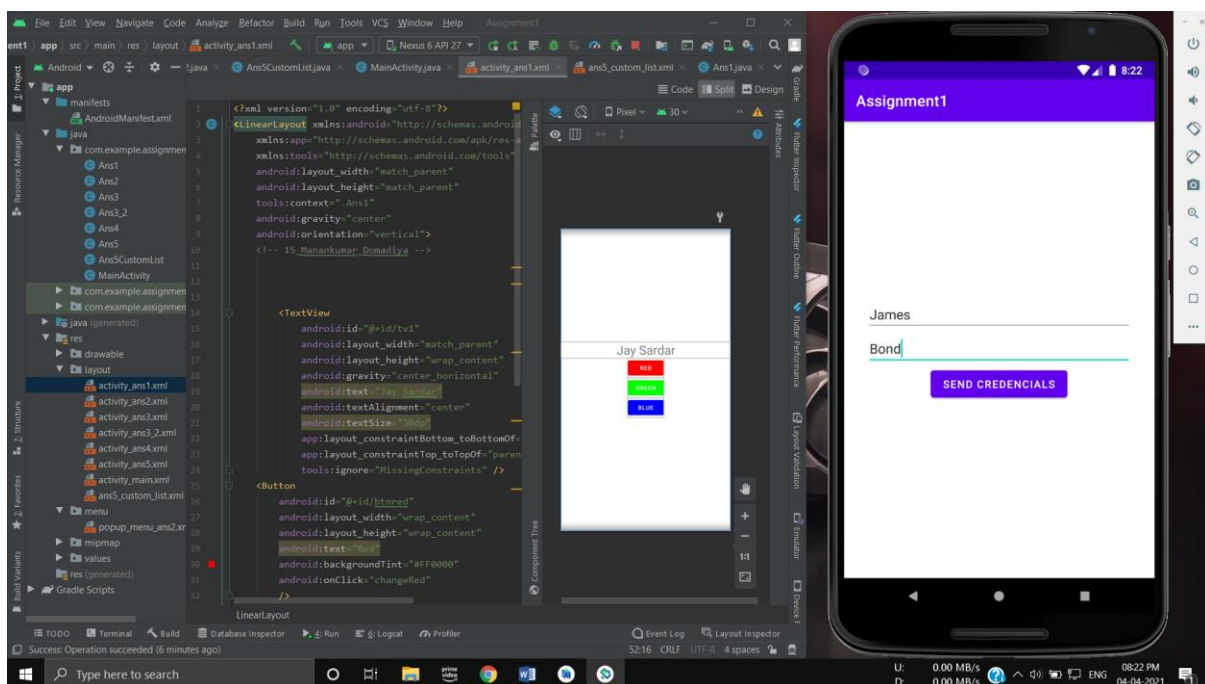
import androidx.appcompat.app.AppCompatActivity;

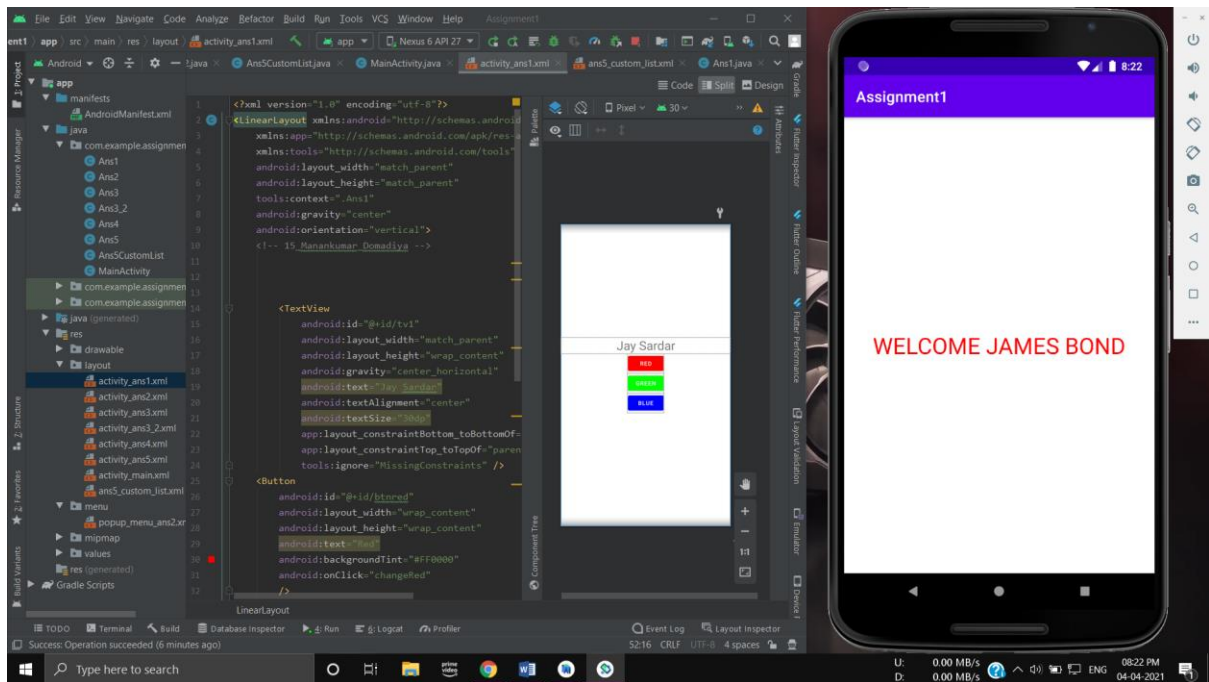
import android.os.Bundle;
import android.widget.TextView;

public class Ans3_2 extends AppCompatActivity {
    /* 15_Manankumar_Domadiya */

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_ans3_2);
        Bundle bundle = getIntent().getExtras();
        TextView textView = (TextView) findViewById(R.id.textView);
        String name = bundle.getString("name"), surname =
        bundle.getString("surname");
        textView.setText("Welcome "+name+" "+surname);
        textView.setTextColor(0xFFFF0000);
    }
}
```

Output :





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Ans 4 :
 =====

XML File :

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".Ans4"
    android:gravity="center"
    android:layout_margin="50dp">
    <!-- 15_Manankumar_Domadiya -->

    <CheckBox
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Panipuri"
        android:textAlignment="center"
        android:id="@+id/chk1"/>

    <CheckBox
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Vadapav"
        android:textAlignment="center"
        android:id="@+id/chk2"/>

    <CheckBox
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Dabeli"
        android:textAlignment="center"
```

```

        android:id="@+id/chk3"/>
<CheckBox
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Mac Egg"
    android:textAlignment="center"
    android:id="@+id/chk4"/>
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/select"
    android:text="Select"
    android:onClick="action"/>
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="30dp"
    android:id="@+id/eatList"
    android:text=""/>
<!-- 15_Manankumar_Domadiya -->

```

</LinearLayout>

Activity File :

```

package com.example.assignment1;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.CheckBox;
import android.widget.TextView;

public class Ans4 extends AppCompatActivity {

    /* 15_Manankumar_Domadiya */

    CheckBox[] checkBoxes;
    TextView tvEatList;
    String text;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_ans4);
        checkBoxes = new CheckBox[4];
        checkBoxes[0] = (CheckBox) findViewById(R.id.chk1);
        checkBoxes[1] = (CheckBox) findViewById(R.id.chk2);
        checkBoxes[2] = (CheckBox) findViewById(R.id.chk3);
        checkBoxes[3] = (CheckBox) findViewById(R.id.chk4);
        tvEatList = (TextView) findViewById(R.id.eatList);
    }

    public void action(View view) {

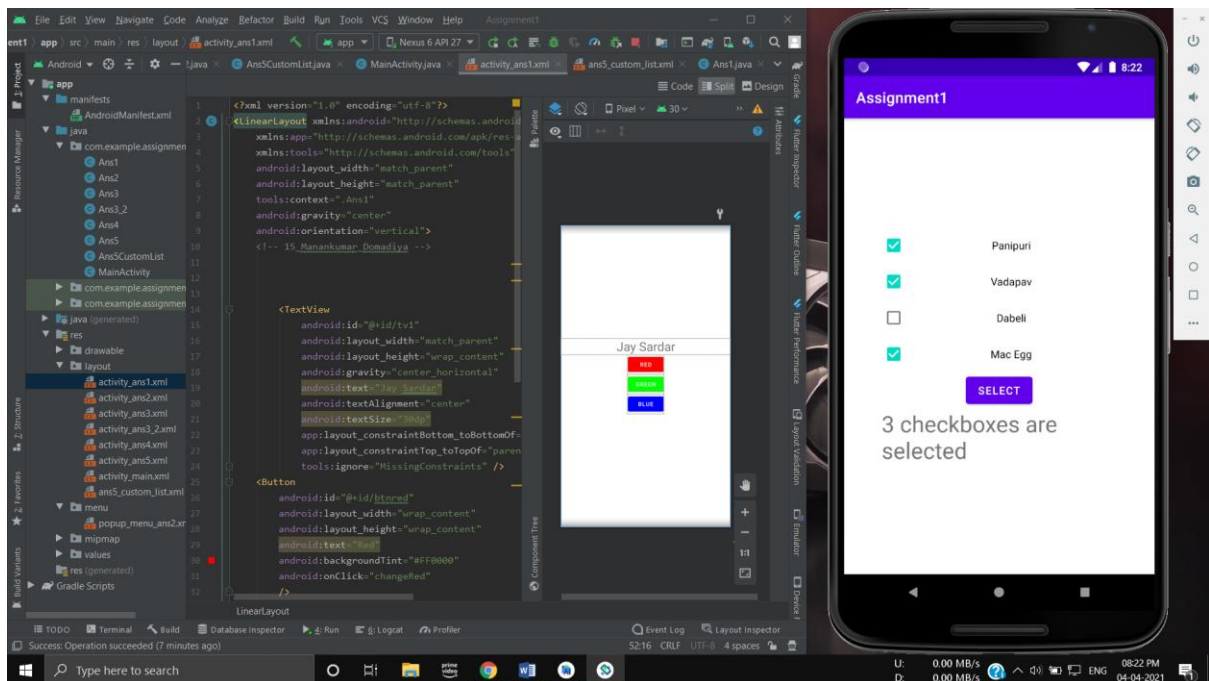
```

```

int n = 0;
for (CheckBox ch: checkBoxes) {
    if(ch.isChecked()) {
        n++;
    }
}
tvEatList.setText(n+" checkboxes are selected");
}
}

```

Output :



Ans 5 :

XML File :

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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=".Ans5">
    <!-- 15_Manankumar_Domadiya -->

    <ListView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/cityListView"/>

```

</LinearLayout>

ROW 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="horizontal">
    <!-- 15_Manankumar_Domadiya -->

    <ImageView
        android:layout_width="100dp"
        android:layout_height="100dp"
        android:background="@drawable/user"
    />
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:text="Manan"
        android:paddingLeft="16dp"
        android:textSize="30dp"
        android:id="@+id/cityName"/>
    <!-- 15_Manankumar_Domadiya -->

</LinearLayout>
```

Activity File :

```
package com.example.assignment1;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ListView;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class Ans5 extends AppCompatActivity {
    /* 15_Manankumar_Domadiya */

    ListView listView;
    String[] strings = { "અમદાવાદ", "ગાંધીનગર", "અમરેલી", "વડોદરા", "સુરત",
        "રાજકોટ", "ભાવનગર", "જામનગર", "આણંદ", "નડીયાદ", "પોરબંદર", "જૂનાગઢ", "પાટણ",
        "ભુજ", "ભરૂચ", "નવસારી"};
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_ans5);
        listView = (ListView) findViewById(R.id.cityListView);
```

```

        Ans5CustomList ans5CustomList = new Ans5CustomList(this, strings);
        listView.setAdapter(ans5CustomList);
        listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent, View view, int
position, long id) {
                TextView textView = (TextView) view.findViewById(R.id.cityName);

                Toast.makeText(getApplicationContext(), ""+textView.getText(), Toast.LENGTH_LONG).show();
            }
        });
    }
}

```

Custom adapter File :

```

package com.example.assignment1;

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.annotation.Nullable;

public class Ans5CustomList extends ArrayAdapter<String> {
    /* 15_Manankumar_Domadiya */
    private String[] cityNames;
    Context context;
    public Ans5CustomList(@NonNull Context context, String[] cityNames) {
        super(context, R.layout.ans5_custom_list, cityNames);

        this.cityNames = cityNames;
        this.context = context;
    }

    @NonNull
    @Override
    public View getView(int position, @Nullable View convertView, @NonNull
ViewGroup parent) {
        // return super.getView(position, convertView, parent);
        View view =
        LayoutInflater.from(context).inflate(R.layout.ans5_custom_list, parent, false);
        TextView name = view.findViewById(R.id.cityName);
        name.setText(cityNames[position]);
        return view;
    }
}

```

Output :

