

WEATHER APP

Weather app using java:-

Mainactivity.xml file:-

```
<?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"
    android:background="#242343"
    tools:context=".MainActivity">

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="270dp"
        android:id="@+id/weathericon"
        android:src="@drawable/questionmark"
        android:layout_marginTop="30dp"/>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="80dp"
        android:orientation="vertical"
        android:layout_above="@+id/idcityFinder">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:id="@+id/temperature"
            android:paddingStart="30dp"
            android:textSize="50sp"
            android:textStyle="bold"
            android:text="0c"
            android:textColor="@color/white"/>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/weathercondition"
            android:textSize="30sp"
            android:textColor="@color/white"
            android:text="-----"
            android:paddingStart="30sp"/>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/cityName"
            android:textStyle="bold"
            android:textSize="40sp"
            android:text="Fetching"
            android:textColor="@color/white"
            android:paddingStart="30dp"/>
    </LinearLayout>
</RelativeLayout>
```



```

</LinearLayout>

<RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="40dp"
    android:layout_centerInParent="true"
    android:layout_marginLeft="30dp"
    android:layout_marginRight="30dp"
    android:layout_alignParentBottom="true"
    android:id="@+id/idcityFinder"
    android:background="@drawable/buttondisgner"
    android:layout_marginBottom="120dp">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="SEARCH CITY"
        android:textColor="#ffffff"
        android:layout_centerInParent="true"
        android:textSize="16sp"/>
</RelativeLayout>

<RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="40dp"
    android:layout_centerInParent="true"
    android:layout_marginLeft="30dp"
    android:layout_marginRight="30dp"
    android:layout_alignParentBottom="true"
    android:id="@+id/formoreinfo"
    android:background="@drawable/buttondisgner"
    android:layout_marginBottom="60dp">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="FAMOUS CITIES"
        android:textColor="#ffffff"
        android:layout_centerInParent="true"
        android:textSize="16sp"/>
</RelativeLayout>

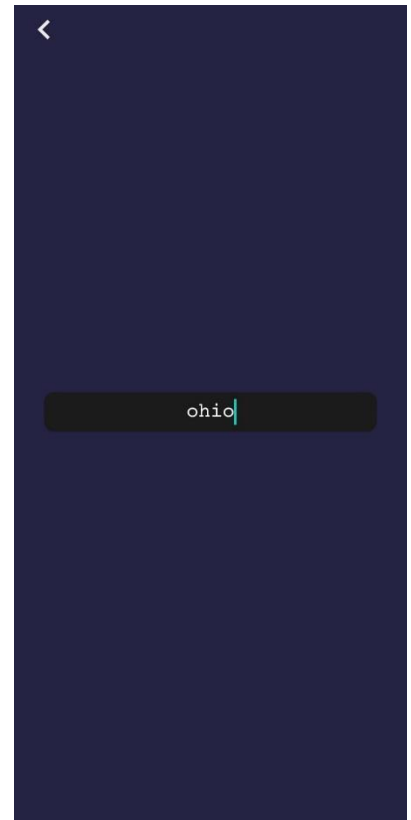
<RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="40dp"
    android:layout_centerInParent="true"
    android:layout_marginLeft="30dp"
    android:layout_marginRight="30dp"
    android:layout_alignParentBottom="true"
    android:id="@+id/formorehelp"
    android:background="@drawable/buttondisgner"
    android:layout_marginBottom="10dp">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="INFO"
        android:textColor="#ffffff"
        android:layout_centerInParent="true"
        android:textSize="16sp"/>
    </RelativeLayout>
</RelativeLayout>

```

In my weather their intent feature to find the weather for separate city

And xml file related to that page:-

```
<?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"
    android:background="#242343"
    tools:context=".CityFinder">
    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:layout_marginLeft="10dp"
        android:src="@drawable/lefts"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:id="@+id/backbutton"
        android:layout_alignParentStart="true"
    />
    <EditText
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:layout_marginLeft="30dp"
        android:hint="enter city name"
        android:textSize="20sp"
        android:textColor="@color/black"
        android:imeOptions="actionGo"
        android:layout_marginRight="30dp"
        android:id="@+id/searchcity"
        android:background="@drawable/edittextdesign"
        android:gravity="center_vertical|center_horizontal"
        android:inputType="textAutoCorrect"/>
</RelativeLayout>
```



My applications have special benefits like if user doesn't know how to type the names of cities he can use the famous cities button and the layout file of that frame is:-

```
<?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"
    android:orientation="vertical"
    tools:context=".OtherCountries">

    <TextView
```

```

        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:text="INDIAN CAPITALS"
        android:textStyle="bold"
        android:textSize="24dp"
        android:textAlignment="center"
        android:layout_marginLeft="90dp"
        android:id="@+id/indiatv"

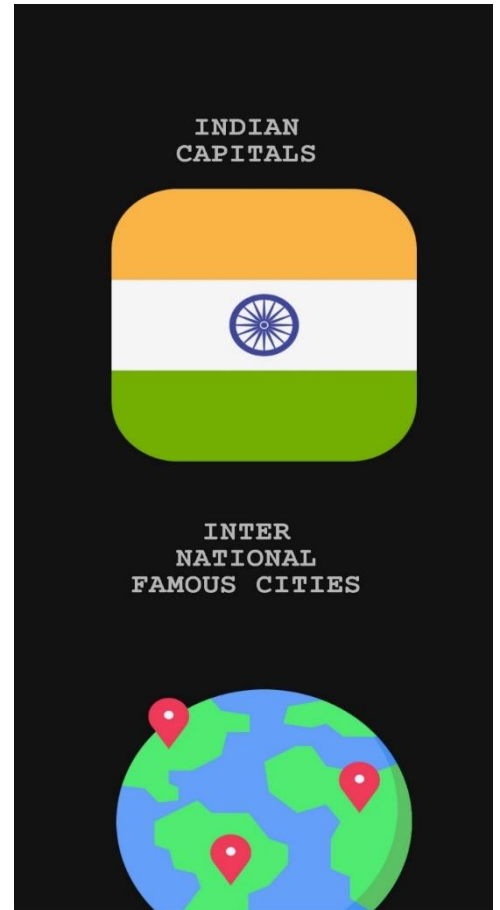
        android:layout_marginTop="100dp"/>
<ImageView
    android:layout_width="250dp"
    android:layout_height="250dp"
    android:src="@drawable/india"
    android:layout_marginTop="15dp"
    android:layout_marginLeft="80dp"
    android:onClick="indianmethod"

    android:id="@+id/imgindia"/>

<TextView
    android:layout_width="200dp"
    android:layout_height="wrap_content"
    android:text="INTER NATIONAL FAMOUS CITIES"
    android:textStyle="bold"
    android:textSize="24dp"
    android:textAlignment="center"
    android:layout_marginLeft="90dp"
    android:id="@+id/internationaltv"
    android:layout_marginTop="50dp"/>
<ImageView
    android:layout_width="250dp"
    android:layout_height="250dp"
    android:src="@drawable/international"
    android:layout_marginTop="30dp"
    android:onClick="intermethod"
    android:layout_marginLeft="80dp"
    android:id="@+id/imginternational"/>

</LinearLayout>

```



On clicking the Indian capitals we get onther frame i.e.,

The image look inappropriate but its just a try of making it

```

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

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@drawable/india"

```

```

android:orientation="vertical"
tools:context=".SecondScreen">

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Famous states:"
    android:textSize="20dp"
    android:textColor="#000"/>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:orientation="horizontal">
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="west bengal"
        android:background="@drawable/glodenbridge"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt1"
    />
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="rajastha n"
        android:background="@drawable/desert"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt2"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="jammukashmir"
        android:background="@drawable/mountains"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt3"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="utter pradesh"
        android:background="@drawable/tajmahala"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt4"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"

    android:orientation="horizontal">
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:background="@drawable/buddha"
        android:text="bi h ar"
        android:backgroundTint="#2EB1EC"

```

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        android:onClick="bt5"/>
<Button
    android:layout_width="85dp"
    android:layout_height="100dp"
    android:layout_marginRight="10dp"

    android:text="a          ss          am"
    android:background="@drawable/assam"
    android:backgroundTint="#2EB1EC"
    android:onClick="bt6"/>
<Button
    android:layout_width="85dp"
    android:layout_height="100dp"
    android:layout_marginRight="10dp"
    android:text="od          i          sa"
    android:background="@drawable/temple"
    android:backgroundTint="#2EB1EC"
    android:onClick="bt7"/>
<Button
    android:layout_width="85dp"
    android:layout_height="100dp"
    android:layout_marginRight="10dp"
    android:background="@drawable/sambar"
    android:text="tamil          na          du"
    android:backgroundTint="#2EB1EC"
    android:onClick="bt8"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:orientation="horizontal">
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="AndhraPradesh"
        android:textSize="10dp"
        android:textColor="@color/white"
        android:backgroundTint="#1DC5EF"
        android:background="@drawable/budha"
        android:onClick="bt9"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="madhyapradesh"
        android:background="@drawable/orange"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt10"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="ke          r          la"
        android:background="@drawable/onam"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt11"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"

```

```

        android:layout_marginRight="10dp"
        android:background="@drawable/mysore"
        android:text="kar            nat            aka"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt12"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:orientation="horizontal">
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:background="@drawable/indiagate"
        android:text="maha            ras            tra"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt13"/>
    <Button
        android:layout_width="85dp"
        android:textColor="@color/white"
        android:layout_height="100dp"

        android:layout_marginRight="10dp"
        android:background="@drawable/gandhi"
        android:text="gu            ja            rat"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt14"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:background="@drawable/road"
        android:text="naga            la            nd"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt15"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:background="@drawable/turban"
        android:text="pu            nj            ab"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt16"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:orientation="horizontal">
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="himachalpradesh"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt17"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"

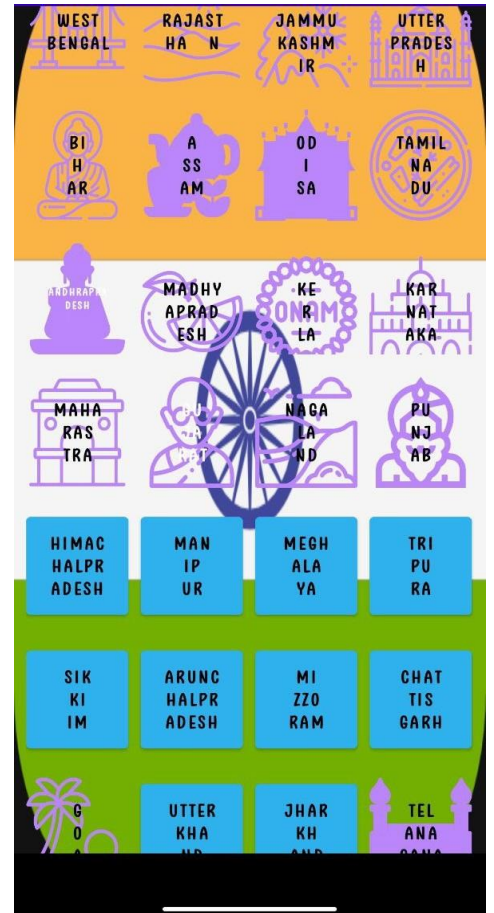
```



```

        android:layout_marginRight="10dp"
        android:text="manipur"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt18"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="meghalaya"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt19"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="tripura"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt20"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:orientation="horizontal">
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="sikkim"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt21"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="arunchalpradesh"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt22"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="mizoram"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt23"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="chattisgarh"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt24"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:orientation="horizontal">
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"

```




```

        android:layout_marginRight="10dp"
        android:text="g          o          a"
        android:backgroundTint="#2EB1EC"
        android:background="@drawable/sunset"
        android:onClick="bt25"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="utter      kha      nd"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt26"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="jhar      kh      and"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt27"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:background="@drawable/charminar"
        android:text="Tel      ana      gana"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt28"/>
</LinearLayout>
</LinearLayout>

</ScrollView>

```

On clicking famous cities famous in world the respected frame is and xml file is:-

```

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

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@drawable/international"
        android:orientation="vertical"
        tools:context=".SecondScreen">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Famous countries:"
            android:textSize="20dp"
            android:textColor="#000"/>

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="10dp"

```

```

        android:orientation="horizontal">
        <Button
            android:layout_width="85dp"
            android:layout_height="100dp"
            android:layout_marginRight="10dp"
            android:text="new york"
            android:backgroundTint="#2EB1EC"
            android:onClick="bt1"
        />
        <Button
            android:layout_width="85dp"
            android:layout_height="100dp"
            android:layout_marginRight="10dp"
            android:text="Beijing"

            android:backgroundTint="#2EB1EC"
            android:onClick="bt2"/>
        <Button
            android:layout_width="85dp"
            android:layout_height="100dp"
            android:layout_marginRight="10dp"
            android:text="shanghai"
            android:backgroundTint="#2EB1EC"
            android:onClick="bt3"/>
        <Button
            android:layout_width="85dp"
            android:layout_height="100dp"
            android:layout_marginRight="10dp"
            android:text="chennai"
            android:backgroundTint="#2EB1EC"
            android:onClick="bt4"/>
    </LinearLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="10dp"
        android:orientation="horizontal">
        <Button
            android:layout_width="85dp"
            android:layout_height="100dp"
            android:layout_marginRight="10dp"
            android:text="Hong Kong"
            android:backgroundTint="#2EB1EC"
            android:onClick="bt5"/>
        <Button
            android:layout_width="85dp"
            android:layout_height="100dp"
            android:layout_marginRight="10dp"
            android:text="Taipei city"

            android:backgroundTint="#2EB1EC"
            android:onClick="bt6"/>
        <Button
            android:layout_width="85dp"
            android:layout_height="100dp"
            android:layout_marginRight="10dp"
            android:text="jakarta"

            android:backgroundTint="#2EB1EC"
            android:onClick="bt7"/>
        <Button

```

```

        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="Del      hi"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt8"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:orientation="horizontal">
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="Mum    bai"
        android:textSize="10dp"
        android:textColor="@color/white"
        android:backgroundTint="#1DC5EF"

        android:onClick="bt9"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="Mos      cow"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt10"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="istanbul"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt11"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="Roidejaneiro"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt12"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:orientation="horizontal">
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="singapore"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt13"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="Berlin"

```

```

        android:backgroundTint="#2EB1EC"
        android:onClick="bt14"/>
<Button
    android:layout_width="85dp"
    android:layout_height="100dp"
    android:layout_marginRight="10dp"
    android:text="ro    me"
    android:backgroundTint="#2EB1EC"
    android:onClick="bt15"/>
<Button
    android:layout_width="85dp"
    android:layout_height="100dp"
    android:layout_marginRight="10dp"
    android:text="Losangles"
    android:backgroundTint="#2EB1EC"
    android:onClick="bt16"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:orientation="horizontal">
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="himachalpradesh"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt17"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="chi  cago"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt18"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="To  kyo"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt19"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="pa   ris"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt20"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:orientation="horizontal">
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="Bangkok"

```

```

        android:backgroundTint="#2EB1EC"
        android:onClick="bt21"/>
<Button
    android:layout_width="85dp"
    android:layout_height="100dp"
    android:layout_marginRight="10dp"
    android:text="seo ul"
    android:backgroundTint="#2EB1EC"
    android:onClick="bt22"/>
<Button
    android:layout_width="85dp"
    android:layout_height="100dp"
    android:layout_marginRight="10dp"
    android:text="KualaLumpur"
    android:backgroundTint="#2EB1EC"
    android:onClick="bt23"/>
<Button
    android:layout_width="85dp"
    android:layout_height="100dp"
    android:layout_marginRight="10dp"
    android:text="sanfrancisco"
    android:backgroundTint="#2EB1EC"
    android:onClick="bt24"/>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:orientation="horizontal">
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="oh      io"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt25"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="mala ysia"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt26"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"
        android:text="seattle"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt27"/>
    <Button
        android:layout_width="85dp"
        android:layout_height="100dp"
        android:layout_marginRight="10dp"

        android:text="machupicchu"
        android:backgroundTint="#2EB1EC"
        android:onClick="bt28"/>
</LinearLayout>
</LinearLayout>

```

</ScrollView>

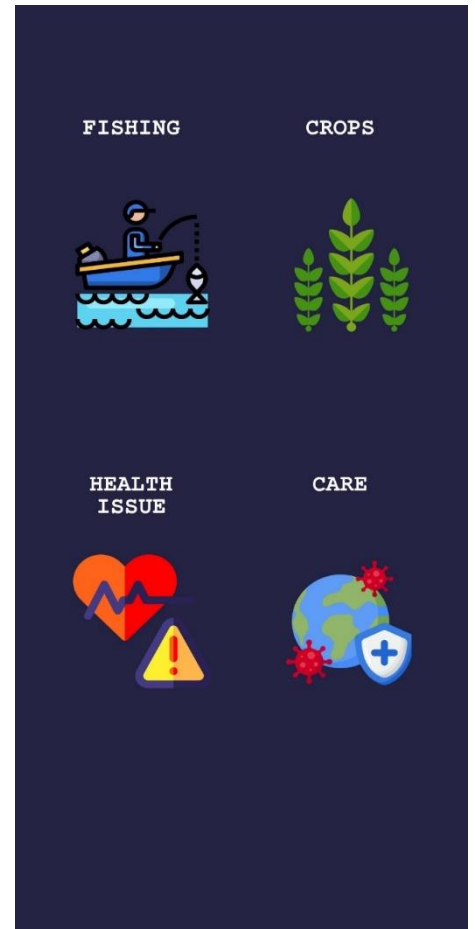
On clicking info button the frame and xml file is:-

```
<?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"
    android:orientation="vertical"
    android:background="#242343"
    tools:context=".MoreExtrainfp">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:layout_marginLeft="50dp"
        android:layout_marginRight="50dp"
        android:layout_marginTop="100dp"
    >
        <LinearLayout
            android:layout_width="150dp"
            android:layout_height="wrap_content"
            android:layout_marginRight="30dp"
            android:orientation="vertical">
            <TextView
                android:layout_width="100dp"
                android:layout_height="50dp"
                android:text="FISHING"
                android:textStyle="bold"
                android:textAlignment="center"
                android:textSize="20dp"
                android:textColor="@color/white"/>
            <ImageView
                android:layout_width="120dp"
                android:layout_height="170dp"
                android:src="@drawable/fishing"
                android:id="@+id/fishimg"
            />
        </LinearLayout>
        <LinearLayout
            android:layout_width="150dp"
            android:layout_height="wrap_content"
            android:orientation="vertical">
            <TextView
                android:layout_width="100dp"
                android:layout_height="50dp"
                android:text="CROPS"
                android:textStyle="bold"
                android:textAlignment="center"
                android:textSize="20dp"
                android:textColor="@color/white"/>
            <ImageView
                android:layout_width="120dp"
                android:layout_height="170dp"
                android:src="@drawable/crops"
                android:id="@+id/cropimg"
            />
        </LinearLayout>
    </LinearLayout>
</LinearLayout>
```

```

        </LinearLayout>
    </LinearLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:layout_marginLeft="50dp"
        android:layout_marginRight="50dp"
        android:layout_marginTop="100dp"
    >
        <LinearLayout
            android:layout_width="150dp"
            android:layout_height="wrap_content"
            android:layout_marginRight="30dp"
            android:orientation="vertical">
            <TextView
                android:layout_width="100dp"
                android:layout_height="50dp"
                android:text="HEALTH ISSUE"
                android:textStyle="bold"
                android:textAlignment="center"
                android:textSize="20dp"
                android:textColor="@color/white"/>
            <ImageView
                android:layout_width="120dp"
                android:layout_height="170dp"
                android:src="@drawable/health"
                android:id="@+id/healthissue"
            />
        </LinearLayout>
        <LinearLayout
            android:layout_width="150dp"
            android:layout_height="wrap_content"
            android:orientation="vertical">
            <TextView
                android:layout_width="100dp"
                android:layout_height="50dp"
                android:text="CARE"
                android:textStyle="bold"
                android:textAlignment="center"
                android:textSize="20dp"
                android:textColor="@color/white"/>
            <ImageView
                android:layout_width="120dp"
                android:layout_height="170dp"
                android:src="@drawable/precau"
                android:id="@+id/care"
            />
        </LinearLayout>
    </LinearLayout>
</LinearLayout>

```



JAVA files to respected xml files are:-

The mainactivity.java file is :-


```

package com.example.weatherapp;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
//import androidx.core.location.LocationListenerCompat;

import android.Manifest;
import android.content.Context;
import android.content.Intent;
import android.content.pm.PackageManager;
import android.location.Location;
import android.location.LocationListener;
import android.location.LocationManager;
import android.os.Bundle;
import android.view.View;
//import android.widget.Button;
import android.widget.ImageView;
import android.widget.RelativeLayout;
import android.widget.TextView;
import android.widget.Toast;

//import com.google.android.gms.common.internal.safeparcel.SafeParcelable;
import com.loopj.android.http.AsyncHttpClient;
import com.loopj.android.http.JsonHttpResponseHandler;
import com.loopj.android.http.RequestParams;

import org.json.JSONObject;

//import java.util.List;

//import java.util.List;

import cz.msebera.android.httpclient.Header;

public class MainActivity extends AppCompatActivity {

    final String APP_id = "c02c6b8bfdf8970e7d8c30fc81af4ccd";
    final String Weather_url =
"https://api.openweathermap.org/data/2.5/weather";

    final long MIN_TIME = 5000;
    final float MIN_DIST = 1000;
    final int REQUEST_CODE = 101;
    Location location;

    String Location_Provider = LocationManager.GPS_PROVIDER;
    TextView nameofcity, weatherstate, temperture;

    ImageView weathericon;
    RelativeLayout mcityfinder, othercities, moreinfo;
    //Button bt1;
    LocationManager mLoactionManager;
    LocationListener mLocationListener;
    //Location location;

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

```

```

        weatherstate = findViewById(R.id.weathercondition);
        weathericon = findViewById(R.id.weathericon);
        temperture = findViewById(R.id.temperature);
        mcityfinder = findViewById(R.id.idcityFinder);
        nameofcity = findViewById(R.id.cityName);
        othercities = findViewById(R.id.formoreinfo);
        moreinfo = findViewById(R.id.formorehelp);
        //bt1=findViewById(R.id.idbtn);

        mcityfinder.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent intent = new Intent(MainActivity.this,
CityFinder.class);
                startActivity(intent);
            }
        });
        othercities.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i = new Intent(MainActivity.this,
OtherCountries.class);
                startActivity(i);
            }
        });
        moreinfo.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i3 = new Intent(MainActivity.this,
MoreExtrainfp.class);
                startActivity(i3);
            }
        });
    }

    /* @Override
    protected void onResume() {
        super.onResume();
        getWeatherForCurrentLocation();
    } */

    @Override
    protected void onResume() {
        super.onResume();
        Intent mintent = getIntent();
        String city = mintent.getStringExtra("city");
        if (city != null) {
            getWeatherFornewcity(city);
        } else {
            // Toast.makeText(this, "in the resume",
Toast.LENGTH_SHORT).show();
            getWeatherForCurrentLocation();
        }
    }

    private void getWeatherFornewcity(String city) {
        RequestParams params = new RequestParams();
    }

```

```

        params.put("q", city);
        params.put("appid", APP_id);
        letdosomeNetworking(params);
    }

    @Override
    public void onRequestPermissionsResult(int requestCode, @NonNull
String[] permissions, @NonNull int[] grantResults) {
        super.onRequestPermissionsResult(requestCode, permissions,
grantResults);

        if (requestCode == REQUEST_CODE) {
            if (grantResults.length > 0 && grantResults[0] ==
PackageManager.PERMISSION_GRANTED) {
                Toast.makeText(this, "location got sucessfully",
Toast.LENGTH_SHORT).show();
                getWeatherForCurrentLocation();
            } else {
                //user denied the location
                Toast.makeText(this, "location denied",
Toast.LENGTH_SHORT).show();
            }
        }
    }

    private void getWeatherForCurrentLocation() {
        mLoactionManager = (LocationManager)
getSystemService(Context.LOCATION_SERVICE);
        mLocationListener = new LocationListener() {
            @Override
            public void onLocationChanged(Location location) {

                String latitude = String.valueOf(location.getLatitude());
                String longitude = String.valueOf(location.getLongitude());
                RequestParams params=new RequestParams();
                params.put("lat",latitude);
                params.put("long",longitude);
                params.put("appid",APP_id);
                letdosomeNetworking(params);

            }

            @Override
            public void onStatusChanged(String provider, int status, Bundle
extras) {
                LocationListener.super.onStatusChanged(provider, status,
extras);
            }

            @Override
            public void onProviderEnabled(String provider) {
                LocationListener.super.onProviderEnabled(provider);
            }

            @Override
            public void onProviderDisabled(String provider) {
                LocationListener.super.onProviderDisabled(provider);
            }
        };
    }

```

```

        if (ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_FINE_LOCATION) !=
PackageManager.PERMISSION_GRANTED &&
ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_COARSE_LOCATION) !=
PackageManager.PERMISSION_GRANTED) {
            // TODO: Consider calling
            //     ActivityCompat#requestPermissions
            // here to request the missing permissions, and then overriding
            //     public void onRequestPermissionsResult(int requestCode,
String[] permissions,
            //                                     int[] grantResults)
            // to handle the case where the user grants the permission. See
the documentation
            // for ActivityCompat#requestPermissions for more details.
            ActivityCompat.requestPermissions(this, new
String[]{Manifest.permission.ACCESS_FINE_LOCATION}, REQUEST_CODE);
            return;
        }
        mLocationManager.requestLocationUpdates(Location.Provider, MIN_TIME,
MIN_DIST, mLocationListener);
    }

```

```

private void letdosomeNetworking(RequestParams params)
{
    AsyncHttpClient client=new AsyncHttpClient();
    client.get(Weather_url,params,new JsonHttpResponseHandler(){

        @Override
        public void onSuccess(int statusCode, Header[] headers,
JSONObject response) {
            // super.onSuccess(statusCode, headers, response);
            Toast.makeText(MainActivity.this, "Data get sucess",
Toast.LENGTH_SHORT).show();

            WeatherData weatherData=WeatherData.fromJson(response);

            updateUI(weatherData);
        }

        @Override
        public void onFailure(int statusCode, Header[] headers,
Throwable throwable, JSONObject errorResponse) {
            Toast.makeText(MainActivity.this, "failed",
Toast.LENGTH_SHORT).show();
            //super.onFailure(statusCode, headers, throwable,
errorResponse);
        }
    });
}

private void updateUI(WeatherData weatherData)
{
    temperture.setText(weatherData.getmTemperature());
}

```

```

        nameofcity.setText(weatherData.getMcity());
        weatherstate.setText(weatherData.getMweathertype());
        //region=weatherData.getRegion();
        int
resourceid=getResources().getIdentifier(weatherData.getMicon(),"drawable",g
etPackageName());
        weathericon.setImageResource(resourceid);

    }

    @Override
    protected void onPause() {
        super.onPause();
        if(mLoactionManager!=null)
        {
            mLoactionManager.removeUpdates(mLocationListener);
        }
    }
}

```

the city finder.java file is:-

```

package com.example.weatherapp;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.KeyEvent;
import android.view.View;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.TextView;

public class CityFinder extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_city_finder);
        final EditText editText=findViewById(R.id.searchcity);
        ImageView backbutton=findViewById(R.id.backbutton);
        backbutton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                finish();
            }
        });

        editText.setOnEditorActionListener(new
        TextView.OnEditorActionListener() {
            @Override
            public boolean onEditorAction(TextView textView, int i,
            KeyEvent keyEvent) {

```

```

        String newcity=editText.getText().toString();
        Intent intent=new
Intent(CityFinder.this,MainActivity.class);
        intent.putExtra("city",newcity);
        startActivity(intent);
        return false;
    }
});
}
}

```

for famous cities.java is:-

```

package com.example.weatherapp;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;

public class OtherCountries extends AppCompatActivity {

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

    public void indianmethod(View view) {
        Intent i2=new Intent(OtherCountries.this,Indiancountries.class);
        startActivity(i2);
    }

    public void intermethod(View view) {
        Intent i3=new
Intent(OtherCountries.this,Internationalcountries.class);
        startActivity(i3);
    }
}

```

and Indian countries.java file is:-

```

package com.example.weatherapp;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;

public class Indiancountries extends AppCompatActivity {

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

```

```
}
public void bt1(View view) {
    gotourl("https://www.accuweather.com/en/in/kolkata/206690/daily-
weather-forecast/206690");
}

public void bt2(View view) {
    gotourl("https://www.accuweather.com/en/in/rj/rajasthan-weather");
}

public void bt3(View view) {
    gotourl("https://www.accuweather.com/en/in/jammu/361708/weather-
forecast/361708");
}

public void bt5(View view) {
    gotourl("https://www.accuweather.com/en/in/patna/202349/weather-
forecast/202349");
}

public void bt6(View view) {
    gotourl("https://www.accuweather.com/en/in/guwahati/186893/weather-
forecast/186893");
}

public void bt7(View view) {
    gotourl("https://www.accuweather.com/en/in/bhubaneswar/189781/weather-
forecast/189781");
}

public void bt8(View view) {
    gotourl("https://www.accuweather.com/en/in/tn/tamil-nadu-weather");
}

public void bt9(View view) {
    gotourl("https://www.accuweather.com/en/in/ap/andhra-pradesh-
weather");
}

public void bt10(View view) {
    gotourl("https://www.accuweather.com/en/in/bhopal/204408/daily-
weather-forecast/204408");
}

public void bt4(View view) {
    gotourl("https://www.accuweather.com/en/in/lucknow/206678/daily-
weather-forecast/206678");
}

public void bt11(View view) {
    gotourl("https://www.accuweather.com/en/in/kochi/204289/weather-
forecast/204289");
}

public void bt12(View view) {
    gotourl("https://www.accuweather.com/en/in/ka/karnataka-weather");
}

public void bt13(View view) {
    gotourl("https://www.accuweather.com/en/in/mh/maharashtra-
```



```
weather");
    }

    public void bt14(View view) {
        gotourl("https://www.accuweather.com/en/in/gj/gujarat-weather");
    }

    public void bt15(View view) {
        gotourl("https://www.accuweather.com/en/in/dimapur/186889/weather-forecast/186889");
    }

    public void bt16(View view) {
        gotourl("https://www.accuweather.com/en/in/ludhiana/205592/daily-weather-forecast/205592");
    }

    public void bt17(View view) {
        gotourl("https://www.accuweather.com/en/in/hp/himachal-pradesh-weather");
    }

    public void bt18(View view) {
        gotourl("https://www.accuweather.com/en/in/imphal/189551/weather-forecast/189551");
    }

    public void bt19(View view) {
        gotourl("https://www.accuweather.com/en/in/shillong/189555/weather-forecast/189555");
    }

    public void bt20(View view) {
        gotourl("https://www.accuweather.com/en/in/agartala/190964/weather-forecast/190964");
    }

    public void bt21(View view) {
        gotourl("https://www.accuweather.com/en/in/gangtok/190542/daily-weather-forecast/190542");
    }

    public void bt22(View view) {
        gotourl("https://www.accuweather.com/en/in/itanagar/357099/weather-forecast/357099");
    }

    public void bt23(View view) {
        gotourl("https://www.accuweather.com/en/in/aizawl/189561/weather-forecast/189561");
    }

    public void bt24(View view) {
        gotourl("https://www.accuweather.com/en/in/raipur/187458/weather-forecast/187458");
    }

    public void bt25(View view) {
        gotourl("https://www.accuweather.com/en/in/panaji/188095/daily-weather-forecast/188095");
    }
}
```

```

        public void bt26(View view) {
            gotourl("https://www.accuweather.com/en/in/dehradun/191339/weather-forecast/191339");
        }

        public void bt27(View view) {
            gotourl("https://www.accuweather.com/en/in/ranchi/203541/daily-weather-forecast/203541");
        }

        public void bt28(View view) {
            gotourl("https://www.accuweather.com/en/in/hyderabad/202190/weather-forecast/202190");
        }
        private void gotourl(String s)
        {
            Uri uri=Uri.parse(s);
            startActivity(new Intent(Intent.ACTION_VIEW,uri));
        }
    }
}

```

international countries.java file:-

```

package com.example.weatherapp;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;

public class Internationalcountries extends AppCompatActivity {

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

    public void bt1(View view) {
        gotourl("https://www.accuweather.com/en/us/new-york/10021/current-weather/349727");
    }

    public void bt2(View view) {
        gotourl("https://www.accuweather.com/en/cn/beijing/101924/weather-forecast/101924");
    }

    public void bt3(View view) {
        gotourl("https://weatherspark.com/y/137446/Average-Weather-in-Shanghai-China-Year-Round");
    }
}

```

```
}

public void bt5(View view) {
    gotourl("https://www.climatestotravel.com/climate/hong-kong");
}

public void bt6(View view) {
    gotourl("https://www.accuweather.com/en/tw/taipei-city/315078/weather-forecast/315078");
}

public void bt7(View view) {
    gotourl("https://www.accuweather.com/en/id/jakarta/208971/weather-forecast/208971");
}

public void bt8(View view) {
    gotourl("https://www.accuweather.com/en/in/delhi/202396/current-weather/202396");
}

public void bt9(View view) {
    gotourl("https://www.accuweather.com/en/in/mumbai/204842/current-weather/204842");
}

public void bt10(View view) {
    gotourl("https://www.accuweather.com/en/ru/moscow/294021/weather-forecast/294021");
}

public void bt4(View view) {
    gotourl("https://www.accuweather.com/en/in/chennai/206671/current-weather/206671");
}

public void bt11(View view) {
    gotourl("https://www.accuweather.com/en/tr/istanbul/318251/current-weather/318251");
}

public void bt12(View view) {
    gotourl("https://weatherspark.com/y/30563/Average-Weather-in-Rio-de-Janeiro-Brazil-Year-Round");
}

public void bt13(View view) {
    gotourl("https://www.guidemesingapore.com/business-guides/immigration/get-to-know-singapore/weather-and-climate-in-singapore");
}

public void bt14(View view) {
    gotourl("https://www.accuweather.com/en/de/berlin/10178/current-weather/178087");
}

public void bt15(View view) {
    gotourl("https://www.timeanddate.com/weather/italy/rome/ext");
}
```

```
public void bt16(View view) {

gotourl("https://weather.com/weather/tenday/1/Los+Angeles+CA?canonicalCityI
d=84c64154109916077c8d3c2352410aaae5f6eeff682000e3a7470e38976128c2");
}

public void bt17(View view) {
    gotourl("https://www.accuweather.com/en/us/chicago/60608/current-
weather/348308");
}

public void bt18(View view) {
    gotourl("https://www.accuweather.com/en/in/imphal/189551/weather-
forecast/189551");
}

public void bt19(View view) {
    gotourl("https://www.accuweather.com/en/jp/tokyo/226396/current-
weather/226396");
}

public void bt20(View view) {
    gotourl("https://www.accuweather.com/en/fr/paris/623/current-
weather/623");
}

public void bt21(View view) {
    gotourl("https://www.accuweather.com/en/th/bangkok/318849/current-
weather/318849");
}

public void bt22(View view) {
    gotourl("https://www.accuweather.com/en/kr/seoul/226081/weather-
forecast/226081");
}

public void bt23(View view) {
    gotourl("https://www.accuweather.com/en/my/kuala-
lumpur/233776/current-weather/233776");
}

public void bt24(View view) {
    gotourl("https://www.accuweather.com/en/us/san-
francisco/94103/current-weather/347629");
}

public void bt25(View view) {
    gotourl("https://www.timeanddate.com/weather/usa/columbus");
}

public void bt26(View view) {
    gotourl("https://www.climatestotravel.com/climate/malaysia");
}

public void bt27(View view) {
    gotourl("https://www.accuweather.com/en/us/seattle/98104/current-
weather/351409");
}

public void bt28(View view) {
    gotourl("https://weather-and-climate.com/average-monthly-Rainfall-
```

```

Temperature-Sunshine,machu-picchu,Peru");
    }
    private void gotourl(String s)
    {
        Uri uri=Uri.parse(s);
        startActivity(new Intent(Intent.ACTION_VIEW,uri));
    }

}

```

for info.java file is :-

```

package com.example.weatherapp;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;

public class MoreExtrainfp extends AppCompatActivity {
    ImageView fish,care,healthiss,crops;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_more_extrainfp);
        fish=findViewById(R.id.fishing);
        crops=findViewById(R.id.cropping);
        healthiss=findViewById(R.id.healthissue);
        care=findViewById(R.id.care);
        String reg=getIntent().getStringExtra("swathi");
        fish.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                gotourl("https://igfa.org/international-angling-
rules/?gclid=Cj0KCQjw80-VBhCpARIsACMvVLM_DqlvmdkpFoyZGiI18zmpH0-
NuY5XmWSQJxpMivaordE6RiwWtAgaAtmdEALw_wcB");
            }
        });
        crops.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                gotourl("https://krishijagran.com/agripedia/different-
types-of-crops-seasons-kharif-rabi-and-zaid/");
            }
        });
        healthiss.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                gotourl("https://www.indushealthplus.com/preventive-health-
tips-seasonal-diseases.html");
            }
        });
        care.setOnClickListener(new View.OnClickListener() {

```

```

        @Override
        public void onClick(View view) {
            gotourl("https://apollohomecare.com/blog/health-tips-
different-seasons/");
        }
    });
}
private void gotourl(String s)
{
    Uri uri= Uri.parse(s);
    startActivity(new Intent(Intent.ACTION_VIEW,uri));
}
}

```

the java file that play the key role to get information is:-

```

package com.example.weatherapp;

import org.json.JSONObject;

public class WeatherData {
    private String mTemperature,mcity,mweathertype,micon;
    private int mCondition;

    public static WeatherData fromJson(JSONObject jsonObject)
    {
        try{
            WeatherData weatherD=new WeatherData();
            weatherD.mcity=jsonObject.getString("name");

            weatherD.mCondition=jsonObject.getJSONArray("weather").getJSONObject(0).get
            Int("id");

            weatherD.mweathertype=jsonObject.getJSONArray("weather").getJSONObject(0).g
            etString("main");
            weatherD.micon=updateWeatherIcon(weatherD.mCondition);
            //weatherD.region=jsonObject.getString("region");
            double
            result=jsonObject.getJSONObject("main").getDouble("temp")-273.15;
            int roundedValue=(int)Math rint(result);
            weatherD.mTemperature=Integer.toString(roundedValue);

            return weatherD;

        } catch (Exception e) {
            e.printStackTrace();
            return null;
        }
    }

    private static String updateWeatherIcon(int condition)
    {
        if(condition>=0 && condition<=300)
        {

```

```

        return "thunderstorms";
    }
    else if(condition>=301 && condition<=500)
    {
        return "lightrain";
    }
    else if(condition>=501 && condition<=600)
    {
        return "shower";
    }
    else if(condition>=601 && condition<=700)
    {
        return "snow2";
    }
    else if(condition>=701 && condition<=800)
    {
        return "fog";
    }
    else if(condition>=801 && condition<900)
    {
        return "overcast";
    }
    else if(condition==900)
    {
        return "sunny";
    }
    else if(condition>900 &&condition <=925)
    {
        return "clouds";
    }
    else if(condition<1000 && condition>=900){
        return "thunderstorms";
    }
    return "hi";
}

public String getMcity() {
    return mcity;
}

public String getMweathertype() {
    return mweathertype;
}

public String getmTemperature() {
    return mTemperature+"°C";
}

public String getMicon() {
    return micon;
}
//public String getRegion(){ return region;}
}

```

this file reads the weather data through weatherapi website as it is json format the file brings the data from api and convert the json data into required data...

The graddle dependencies:-


```
dependencies {

    implementation 'androidx.appcompat:appcompat:1.4.2'
    implementation 'com.google.android.material:material:1.6.1'
    implementation 'androidx.constraintlayout:constraintlayout:2.1.4'
    implementation 'com.google.android.gms:play-services-location:19.0.1'
    implementation 'androidx.lifecycle:lifecycle-livedata-ktx:2.3.1'
    implementation 'androidx.lifecycle:lifecycle-viewmodel-ktx:2.3.1'
    implementation 'androidx.legacy:legacy-support-v4:1.0.0'
    testImplementation 'junit:junit:4.13.2'
    androidTestImplementation 'androidx.test.ext:junit:1.1.3'
    androidTestImplementation 'androidx.test.espresso:espresso-core:3.4.0'

    implementation 'com.loopj.android:android-async-http:1.4.11'
}
```

and permissions in manifest file are:-

```
<uses-permission android:name="android.permission.INTERNET" />
<uses-permission android:name="android.permission.ACCESS_FINE_LOCATION" />
<uses-permission android:name="android.permission.ACCESS_NETWORK_STATE" />
<uses-permission android:name="android.permission.ACCESS_COARSE_LOCATION" />
```

To provide the icon the for app :-

```
android:icon="@drawable/weather"
android:roundIcon="@drawable/weather"
```

in order to design a button create a xml file in drawable naming buttondesign:-

```
<?xml version="1.0" encoding="utf-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android"
    android:shape="rectangle">
<corners android:radius="10dp"></corners>
    <solid android:color="#ffa384"/>
</shape>
```

- >small changes in manifest file
- >download the icons from flaticons which are totally free
- >minimum knowledge in android is required to paste the code in respective files....
- >u tube link is provided to make this app follow the link hope it will help you...

