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

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

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

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity"

android:orientation="vertical">

<LinearLayout

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:orientation="horizontal"

>

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/summer"

android:text="summer">

</RadioButton>

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/winter"

android:text="winter">

</RadioButton>

</LinearLayout>

<LinearLayout

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:orientation="horizontal"

>

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/hot"

android:text="hot">

</RadioButton>

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/cold"

android:text="cold">

</RadioButton>

</LinearLayout>

<LinearLayout

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:orientation="horizontal"

>

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/novisible"

android:text="no sun visible">

</RadioButton>

</LinearLayout>

<LinearLayout

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:orientation="horizontal"

>

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/yrain"

android:text="raining">

</RadioButton>

<LinearLayout

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:orientation="horizontal"

>

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/morning"

android:text="moring">

</RadioButton>

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/evening"

android:text="evening">

</RadioButton>

</LinearLayout>

</LinearLayout>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/result"

android:text=""

/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/click"

android:text="click"/>

</LinearLayout>

**MainActivity.java:**

package com.example.testing;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.RadioButton;

import android.widget.TextView;

public class lasttestextends AppCompatActivity {

RadioButton summer,winter,hot,cold,sunnotvisible,yrain,morning,evening;

Button click;

TextViewresult;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_lasttest);

summer=findViewById(R.id.summer);

winter=findViewById(R.id.winter);

hot=findViewById(R.id.hot);

cold=findViewById(R.id.cold);

sunnotvisible=findViewById(R.id.novisible);

yrain=findViewById(R.id.yrain);

morning=findViewById(R.id.morning);

evening=findViewById(R.id.evening);

click=findViewById(R.id.click);

result=findViewById(R.id.result);

click.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if( (yrain.isChecked()) )

{

result.setText(" take umbrella");

}

else if ( (cold.isChecked() &&summer.isChecked() &&sunnotvisible.isChecked()))

{

result.setText(" take umbrella");

}

else if ((morning.isChecked() &&winter.isChecked() &&cold.isChecked()))

{

result.setText(" take umbrella");

}

else

{

result.setText("no take umbrella");

}

}

});

}

}