Lab 3.2

MainActivity.kt

```
package com.nyp.sit.viewlayoutcontrolunguided
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.view.View
import kotlinx.android.synthetic.main.activity main.*
class MainActivity : AppCompatActivity() {
              override fun onCreate(savedInstanceState: Bundle?) {
                             super.onCreate(savedInstanceState)
                             setContentView(R.layout.activity_main)
               fun runSubmit(v: View) {
                              var errorExist = false
                              if(adminNumber.text.isEmpty()){
                                            adminNumber.error = "Admin number cannot be empty"
                                            errorExist = true
                              }
                              if(mobileNumber.text.isEmpty()){
                                            mobileNumber.error = "Mobilw number cannot be empty"
                                             errorExist = true
                             if(timeHR.text.toString().toInt()>12 || timeHR.text.toString().toInt()<0){</pre>
                                             timeHR.error = "Hour should be from 0 to 12"
                                             errorExist = true
                              \texttt{if(timeMin.text.toString().toInt()>59 || timeMin.text.toString().toInt()<0)} \\ \{ \texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(\texttt{one}(
                                             timeMin.error = "Min should be from 0 to 59"
                                             errorExist = true
                             if(errorExist)
                                             return
                             var admin = adminNumber.text.toString()
                             var mobile_num = mobileNumber.text.toString()
                             var time = "${timeHR.text}:${timeMin.text}"
                             if(rbAM.isChecked)
                                            time = time + " AM"
                             else
                                             time = time + " PM"
                             var rem = "No need to remember details"
                              if(cbRememberDetails.isChecked)
                                            rem = "I will remember your details"
                             var msg =
                                                            "Admin : ${admin} " +
                                                                                           "\nMobile : ${mobile num}" +
                                                                                          "\nEntered at {\text{time}}" +
                                                                                          "\n$rem"
                             resultDisplay.text = msg
             }
}
```

```
Activity main.xml
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout height="match parent"
    tools:context=".MainActivity">
    <LinearLayout
        android:padding = "8dp"
        android:orientation="vertical"
        android:layout width="match parent"
        android:layout_height="match_parent">
        <TextView
            android:padding = "8dp"
            android:text = "Admin number"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"/>
        <EditText
            android:id="@+id/adminNumber"
            android:padding = "8dp"
            android:hint = "Enter Admin number"
            android:layout width="match parent"
            android:layout_height="wrap_content"/>
        <TextView
            android:padding = "8dp"
            android:text = "Mobile number"
            android:layout width="match parent"
            android:layout height="wrap content"/>
        <EditText
            android:id="@+id/mobileNumber"
            android:padding = "8dp"
            android:inputType="phone"
android:hint = "Enter Mobile number"
            android:layout width="match parent"
            android:layout_height="wrap_content"/>
        <TextView
            android:padding = "8dp"
            android:text = "Time entered premises"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"/>
        <LinearLayout</pre>
            android:weightSum="1"
            android:orientation="horizontal"
            android:layout_width="match_parent"
            android:layout height="wrap content">
            <EditText
                android:id="@+id/timeHR"
                android:layout_weight="0.25"
                android:padding = "8dp"
                android:inputType="number"
                android:hint = "hr"
                android:layout_width="0dp"
                android:layout height="wrap content"/>
            <EditText
                android:id="@+id/timeMin"
                android:layout_weight="0.25"
                android:padding = "8dp"
                android:inputType="number"
                android:hint = "min"
                android:layout_width="0dp"
                android:layout height="wrap content"/>
```

```
<RadioGroup
           android:weightSum="1"
            android:orientation="horizontal"
            android:layout weight="0.50"
            android:layout width="0dp"
            android:layout_height="wrap_content">
            <RadioButton
                android:checked="true"
                android:id="@+id/rbAM"
                android:text="AM"
                android:layout weight="0.5"
                android:layout width="0dp"
                android:layout_height="wrap_content"/>
            <RadioButton
               android:id="@+id/rbPM"
                android:text="PM"
                android:layout_weight="0.5"
                android:layout width="0dp"
                android:layout_height="wrap_content"/>
       </RadioGroup>
    </LinearLayout>
    <RelativeLayout
       android:padding = "8dp"
       android: layout_width="match_parent"
       android:layout_height="wrap_content">
       <TextView
            android:text = "Remember my details"
            android:layout_width="match parent"
            android:layout height="wrap content"/>
       <CheckBox
            android:id="@+id/cbRememberDetails"
            android:layout_alignParentRight="true"
            android:layout_width="wrap_content"
            android:layout height="wrap content"/>
   </RelativeLayout>
       android:padding="10dp"
       android:text="Nothing to display now..."
       android:id="@+id/resultDisplay"
       android:layout width="match parent"
       android:layout_height="wrap_content"/>
    <RelativeLayout
       android:layout_width="match_parent"
       android:layout_height="match_parent">
    <Button
       android:onClick="runSubmit"
       android:layout_marginLeft="40dp"
       android:layout_marginRight="40dp"
       android:layout marginBottom = "10dp"
       android:layout alignParentBottom="true"
       android: text="Submit"
       android:id="@+id/submitBtn"
       android:layout width="match parent"
       android:layout_height="wrap_content"/>
    </RelativeLayout>
</LinearLayout>
```