

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){
            timeHR.error = "Hour should be from 0 to 12"
            errorExist = true
        }

        if(timeMin.text.toString().toInt()>59 || timeMin.text.toString().toInt()<0){
            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 ${time}" +
            "\n$rem"

        resultDisplay.text = msg
    }
}
```

Activity_main.xml

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

        </LinearLayout>
    </LinearLayout>
</FrameLayout>
```

```

<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>

<TextView
    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>

</FrameLayout>

```