**Assignment 4**

<https://github.com/Nutnichachat/Ass4_Sec3_613020165-4>

**Code**

**ActivityMain**

<?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:layout\_marginLeft="20dp"  
 tools:context=".MainActivity">  
  
  
 <TextView  
 android:id="@+id/text\_id"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:textSize="30sp"  
 android:text="Register Form"  
  
 />  
 <LinearLayout  
  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:text="Username:"  
 android:textSize="20sp"  
 />  
 <TextView  
 android:id="@+id/text\_name"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:textSize="20sp"  
 android:text="Password:"/>  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:text="Gender"  
 android:textSize="20sp"  
 />  
 <TextView  
 android:id="@+id/text\_mail"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textSize="20sp"  
 android:layout\_marginTop="20dp"  
 android:text="E-mail:"/>  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="10dp"  
 android:layout\_marginTop="20dp"  
 android:textSize="20sp"  
 android:text="Birthday" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
 <EditText  
 android:id="@+id/edit\_id"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:inputType="textShortMessage"  
 android:layout\_marginTop="10dp"  
 android:hint=""/>  
 <EditText  
 android:id="@+id/edit\_name"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:layout\_marginTop="10dp"  
 android:hint=""/>  
 <RadioGroup  
 android:id="@+id/radioGroup"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:layout\_marginTop="10dp"  
 >  
 <RadioButton  
 android:id="@+id/male"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Male"  
 android:textSize="20sp"  
 android:layout\_marginTop="2dp"  
 />  
 <RadioButton  
 android:id="@+id/female"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Female"  
 android:textSize="20sp"  
 android:layout\_marginTop="2dp"  
 />  
 </RadioGroup>  
  
  
  
 <EditText  
 android:id="@+id/edit\_mail"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:inputType="textShortMessage"  
 android:textSize="20sp"  
 android:layout\_marginTop="-10dp"  
 android:hint=""/>  
 <TextView  
 android:id="@+id/text\_date"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="10dp"  
 android:layout\_marginTop="10dp"  
 android:textSize="20sp"  
 android:text="mm/dd/yy" />  
 </LinearLayout>  
  
  
  
 <RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
 <Button  
 android:layout\_width="50dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:text="..."  
 android:onClick="showDatePickerDialog" />  
 </RelativeLayout>  
 </LinearLayout>  
 <RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <Button  
 android:id="@+id/btn\_show"  
 android:layout\_width="190dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:textSize="20sp"  
 android:text="REGISTER"  
 android:onClick="showGender" />  
 <Button  
 android:id="@+id/btn\_reset"  
 android:layout\_width="185dp"  
 android:layout\_height="wrap\_content"  
 android:textSize="20sp"  
 android:text="Reset"  
 android:layout\_marginTop="20dp"  
 android:layout\_toRightOf="@+id/btn\_show"  
 android:onClick="reset" />  
  
  
 </RelativeLayout>  
 <TextView  
 android:id="@+id/text\_show"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="10dp"  
 android:textSize="20sp"  
 android:layout\_marginTop="10dp"  
 android:text="Show Information" />  
  
</LinearLayout>

**MainActivity**

package com.example.ass4kotlin  
  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.view.View  
import android.widget.\*  
import com.example.ass4kotlin.DatePickerFragment  
import kotlinx.android.synthetic.main.activity\_main.\*  
  
class MainActivity : AppCompatActivity() {  
 override fun onCreate(saveInstanceState: Bundle?) {  
 super.onCreate(saveInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
  
 }  
  
  
 fun showDatePickerDialog(v: View) {  
 val newDateFragment = DatePickerFragment()  
 newDateFragment.show(*supportFragmentManager*, "Date Picker")  
  
 }  
  
 fun showGender(view: View) {  
 val selectID: Int = radioGroup.*checkedRadioButtonId* var gender = ""  
 try {  
 var radioButtonChecked: RadioButton = findViewById(selectID)  
 gender = radioButtonChecked.*text* as String  
 } catch (t: Throwable) {  
 gender = ""  
 }  
  
 text\_show.*text* =  
 "Username:${edit\_id.*text*}\nPassword: ${edit\_name.*text*}\nGender: ${gender}\nE-mail: ${edit\_mail.*text*}\nBirthday: ${text\_date.*text*}"  
  
 }  
  
 fun reset(v: View) {  
 edit\_id.*text*.clear()  
 edit\_name.*text*.clear()  
 edit\_mail.*text*.clear()  
 radioGroup.clearCheck()  
 text\_date.*text* = "mm/dd/yy"  
 text\_show.*text* = "Show Information"  
  
 }  
}

**DatePickerFragment**

package com.example.ass4kotlin  
  
  
import android.app.DatePickerDialog  
import android.app.Dialog  
import android.content.DialogInterface  
import android.os.Bundle  
import android.widget.DatePicker  
import android.widget.TextView  
import android.widget.Toast  
import androidx.fragment.app.DialogFragment  
import com.example.ass4kotlin.R  
import java.text.DateFormat  
import java.util.\*  
  
class DatePickerFragment : DialogFragment(), DatePickerDialog.OnDateSetListener {  
  
 override fun onCreateDialog(saveInstanceState: Bundle?): Dialog {  
 val calendar = Calendar.getInstance()  
  
 val year = calendar.get(Calendar.*YEAR*)  
 val month = calendar.get(Calendar.*MONTH*)  
 val day = calendar.get(Calendar.*DAY\_OF\_MONTH*)  
  
 return DatePickerDialog(*activity*!!, 2, this, year, month, day)  
  
 }  
  
 override fun onDateSet(view: DatePicker, year: Int, month: Int,day: Int) {  
 var tv: TextView? = *activity*?.findViewById(R.id.*text\_date*)  
 tv!!.*text* = formatDate(year, month, day)  
 }  
  
 override fun onCancel(dialog: DialogInterface) {  
 Toast.makeText(*activity*, "Please select a date.", Toast.*LENGTH\_SHORT*).show()  
 super.onCancel(dialog)  
 }  
  
 private fun formatDate(year: Int, month: Int, day: Int): String {  
 var calendar: Calendar = Calendar.getInstance();  
 calendar.set(year, month, day)  
 val chosenDate = calendar.*time* val df = DateFormat.getDateInstance(DateFormat.*MEDIUM*)  
 return df.format(chosenDate)  
  
 }  
}

**ผลลัพธ์**

