

MINOR PROJECT CIA -1

Name- Prathmesh Subhash Gawali

PRN No:- UIT23F1050

TEAM NO:- 25

Roll No- 48 Class- SY-A

ASSIGNMENT NO-I (Create a Login Form)

- activity_main.xml

```
<?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:id="@+id/main"
android:layout_width="match_parent"
android:layout_height="match_parent" tools:context=".MainActivity"
android:orientation="vertical">

<TextView
android:id="@+id/T1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="20dp"
android:layout_gravity="center"
android:layout_marginTop="20dp"
android:text="Sign up"
android:textColor="#165383"
android:textSize="40dp"/>
<EditText android:id="@+id/e1"
android:layout_width="match_parent"
"
android:layout_height="wrap_content"
" android:hint="Name"
android:inputType="text"/> <EditText
android:id="@+id/e2"
android:layout_width="match_parent"
" android:layout_gravity="center"
android:layout_height="wrap_content"
" android:hint="contact"
```

```

        android:inputType="phone"
        android:layout_marginTop="20dp" />
        <EditText android:id="@+id/e3"
        android:layout_width="match_parent
        "
        android:layout_height="wrap_content
        "

        android:hint="email"
        android:inputType="textEmailAddress"
        android:layout_marginTop="20dp"/>
        <EditText
        android:id="@+id/e4"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="password"
        android:inputType="textPassword"
        android:layout_marginTop="20dp"/>
        <EditText
        android:id="@+id/e5"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="address"
        android:inputType="text"
        android:layout_marginTop="20dp"/>
        <Button android:id="@+id/b1"
        android:layout_width="wrap_content
        "
        android:layout_height="wrap_content
        " android:text="submit"
        android:textSize="20dp"
        android:layout_gravity="center"
        android:layout_marginTop="30dp"/>
    </LinearLayout>

```

● MainActivity.kt

```

package com.example.assignment1

import android.annotation.SuppressLint
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import android.widget.Toast
import androidx.activity.enableEdgeToEdge
import

```

```

androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat import
androidx.core.view.WindowInsetsCompat class
MainActivity : AppCompatActivity {
    @SuppressWarnings("MissingInflatedId")
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_main) val Edit1=
        findViewById<EditText>(R.id.e1)
        val Edit2= findViewById<EditText>(R.id.e2)
        val Edit3=
        findViewById<EditText>(R.id.e3) val Edit4=
        findViewById<EditText>(R.id.e4) val
        Edit5= findViewById<EditText>(R.id.e5)
        val submit
        =findViewById<Button>(R.id.b1)
        submit.setOnClickListener{
            Edit1.error="This feild cannot be Blank"
            isvalid= false

            if (Edit2.text.toString().trim().isEmpty()){
                Edit2.error="This feild cannot be Blank"
                isvalid= false

            if (Edit3.text.toString().trim().isEmpty()){
                Edit3.error="This feild cannot be Blank"
                isvalid= false

            if (Edit4.text.toString().trim().isEmpty()){
                Edit4.error="This feild cannot be Blank"
                isvalid= false

            if (Edit5.text.toString().trim().isEmpty()){
                Edit5.error="This feild cannot be Blank"
                isvalid= false

            if (isvalid){
                Toast.makeText(this,"All feilds are filled",Toast.LENGTH_SHORT).show()

        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
            val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
            insets
    }
}

```

Assignment 2

Activity_main.xml

```

        <?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:id="@+id/main"
android:layout_width="match_parent"
android:layout_height="match_parent"      tools:context=".MainActivity"
android:orientation="vertical" android:background="#FOF8FF"> <!-- Light
blue background-->

<TextView

    android:id="@+id/textView"

    android:layout_width="wrap_cont

nt"

    android:layout_height="wrap_cont

ent" android:text=" Welcome To

Android App Development"

    android:textAlignment="center"

    android:textSize="40dp"
    android:layout_marginTop="30dp||
    android:layout_gravity="center"
    android:layout_marginBottom="40dp||
    android:textColor="#000000" /><!-- Black text -->

<Button

    android:id="@+id/button1" android:layout_width="wrap_content"
    android:layout_height="wrap_content"      android:text="Change
Text"      android:layout_gravity="center"
    android:layout_marginBottom="20dp"
    android:background="#FF6347" /><!-- Tomato red background -->
<!-- White text -->

<Button                                android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"      android:text="Change
Height"      android:      layout_gravity="center"
    android:layout_marginBottom="20dp||
    android:background="#4682B4" /><!-- Steel blue background -->
<!-- White text -->

<Button                                android:id="@+id/button3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content" android:text="Center Text"
    android:      layout_gravity="center"
    android:layout_marginBottom="20dp"
    android:background="#32CD32"/> <!-- Lime green background -->

```

```

<Button                                android:id="@+id/button4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content" android:text="Button
4"                                layout_gravity="center"
    android:layout_marginBottom="20dp"
    android:background="#FFD700"/> <!-- Gold background -><!--
    Black text -->

<Button                                android:id="@+id/button5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content" android:text="Button 5"
    android:layout_gravity="center"
    android:layout_marginBottom="20dp"
    android:background="#8A2BE2" /><!-- Blue-violet background -><!--
    White text -->

<Button                                android:id="@+id/button6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content" android:text="Button 6"
    android:layout_gravity="center"
    android:layout_marginBottom="20dp"
    android:background="#FF4500"/> <!-- Orange-red background -->
<!-- White text -->

</LinearLayout>

```

MainActivity.kt

```

package com.example.assignment2

import android.os.Bundle import
android.view.Gravity import
android.view.ViewGroup import
android.widget.Button import
android.widget.TextView import
androidx.appcompat.app.AppCompatActivity class
MainActivity : AppCompatActivity {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        // Find views
        val textView: TextView =
            findViewById(R.id.textView) val button1: Button =
            findViewById(R.id.button1) val button2: Button =
            findViewById(R.id.button2) val button3: Button =
            findViewById(R.id.button3)

        // Button 1: Change Text
        button1.setOnClickListener {
            textView.text = "Text Changed!"
        }

        // Button 2: Change Height
        button2.setOnClickListener {

```

```

val newHeight = 200 // Set height in pixels
textView.layoutParams = textView.layoutParams.apply {
    height = newHeight
    textView.requestLayout()
}

// Button 3: Center Text
button3.setOnClickListener {
    val layoutParams = textView.layoutParams as ViewGroup.MarginLayoutParams
    textView.layoutParams = layoutParams
    textView.gravity = Gravity.CENTER
}

```

ASSIGNMENT NO-3

● activity_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" android:padding="16dp"
    android:background="#F5F5F5">

    <TextView
        android:layout_marginTop="20dp"
        android:id="@+id/textView111"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:padding="12dp"
        android:text="@string/label_one"
        android:textSize="18sp"
        android:textColor="#424242"
        android:layout_marginBottom="8dp" /
    >

    <TextView
        android:id="@+id/textView211"
        android:layout_width="match_parent"
        "
        android:layout_height="wrap_content"
        "
        android:padding="12dp"
        android:text="@string/label_two"
        android:textSize=
        android:textColor="#424242"
        android:layout_marginBottom="8dp" /
    >

```

```
<TextView android:id="@+id/textView3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:padding="12dp"
    android:text="@string/label_three"
    android:textSize="18sp"
    android:textColor="#424242"
    android:layout_marginBottom="8dp" /
>
```

```
<TextView
    android:id="@+id/textView4"
    android:layout_width="match_parent"
    "

    android:layout_height="wrap_content"
    t"
    android:padding="12dp"
    android:text="@string/label_four"
    android:textSize
    android:textColor="#42424211
    android:layout_marginBottom="8dp "
/>
```

```
<TextView android:id="@+id/textView511
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:padding="12dp"
    android:text="@string/label_five"
    android:textSize
    android:textColor="#42424211
    android:layout_marginBottom="24dp "
/>
```

```
<Button
    android:id="@+id/buttonNavigate11
    android:layout_width="match_parent"
    android:layout_height="62dp"
    android:backgroundTint="#64B5F611
    android:text="Go to Screen Two"
        android:textColor="#FFFFFF"
    android:android:textSize="20sp" />
```

```
</LinearLayout>
```

● MainActivity.kt

```
package com.example.assignment3

import android.content.Intent import
import android.os.Bundle import android.widget.Button
import androidx.activity.enableEdgeToEdge import
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat import
import androidx.core.view.WindowInsetsCompat

class MainActivity : AppCompatActivity() { override fun
    onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main) val buttonNavigate:
        Button = findViewById(R.id.buttonNavigate)
        buttonNavigate.setOnClickListener{
            // Passing data to SecondActivity val intent =
            Intent(this, SecondActivity::class.java)
            intent.putExtra("string1",
                getString(R.string.label_one))
            intent.putExtra("string2",
                getString(R.string.label_two))
            intent.putExtra("string3",
                getString(R.string.label_three))
            intent.putExtra("string4",
                getString(R.string.label_four))
            intent.putExtra("string5",
                getString(R.string.label_five))
            intent.putExtra("booleanValue", true)
            intent.putExtra("intValue", 42)
            intent.putExtra("floatValue", 3.140)
            startActivity(intent)
        }
    }
}
```

● activity_second.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp"
    android:background="#E3F2FD">

    <TextView
        android:id="@+id/textViewData11
```



```

        android:layout_marginTop="30dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:padding="16dp"
        android:textSize="18sp"
        android:textColor="#424242"
        android:layout_marginBottom="24dp"
        android:background="#FFFFFF" />

```

```

<Button
    android:id="@+id/buttonNext"
    android:layout_width="309dp"
    android:layout_height="65dp"
    android:layout_gravity="center"
    android:backgroundTint="#FF9800"
    android:text="Go to Screen Three"
    android:textColor="#FFFFFF"
    android:textSize="20sp" />

```

```

</LinearLayout>

```

● SecondActivity.kt

```

package com.example.assignment3

```

```

import android.content.Intent
import android.os.Bundle
import android.util.Log
import android.widget.Button
import android.widget.TextView
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat

```

```

class SecondActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_second)
        val textViewData: TextView = findViewById(R.id.textViewData)
        val buttonNext: Button = findViewById(R.id.buttonNext)
    }
}

```

```

        // Retrieve data from intent
        val string1 = intent.getStringExtra("string1")
        val string2 = intent.getStringExtra("string2")
        val string3 = intent.getStringExtra("string3")
        val string4 =

```

```

intent.getStringExtra("string4") val string5 =
intent.getStringExtra("string5") val booleanValue =
intent.getBooleanExtra("booleanValue", false) val intValue =
intent.getIntExtra("intValue", 0) val floatValue =
intent.getFloatExtra("floatValue", 0.0f)

// Combine data into one string
val data = ""
$string1
$string2
$string3
$string4
$string5
Boolean:
$booleanValue Integer:
$intValue
Float: $floatValue
"".trimIndent()

textViewData.text = data
Log.d("SecondActivity", data)

buttonNext.setOnClickListener { val finalData =
    "Final Data: $data" val intent = Intent(this,
    ThirdActivity::class.java)
    intent.putExtra("finalData", finalData)
    startActivity(intent)
}

```

e activity_third.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp"
    android:background="#F5F5F5">

    <TextView
        android:id="@+id/finalTextViewII

```

```

        android:layout_marginTop="30dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:padding="16dp"
        android:textSize="20sp"
        android:textColor="#424242"
        android:background="#FFFFFF" />
</LinearLayout>

```

● ThirdActivity.kt package

```

com.example.assignment3 import
android.os.Bundle import android.widget.TextView
import androidx.activity.enableEdgeToEdge import
androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat import
import androidx.core.view.WindowInsetsCompat

class ThirdActivity : AppCompatActivity() { override fun
    onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_third) val finalTextView:
        TextView = findViewById(R.id.finalTextView)

        val finalData = intent.getStringExtra("finalData")
        finalTextView.text = finalData
    }
}

```

^e strings.xml

```

<resources>
    <string name="app_name">Exploring Kotlin</string>
    <string name="label_one">Welcome to MainActivity!</string>
    <string name="label_two">Explore Android Development.</string>
    <string name="label_three">Beautiful User Interfaces.</string>
    <string name="label_four">Kotlin is Fun!</string>
    <string name="label_five">Start Your Journey Today!</string>
</resources>

```

ASSIGNMENT NO-4

● activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" android:padding="16dp"
    android:background="#F5F5F5">

    <TextView android:layout_marginTop="30dp"
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="#E3F2FD"
        android:text="Hello! Click the buttons
        below." android:textSize="18sp"
        android:textColor="#424242"
        android:padding="16dp"
        android:gravity="center"
        android:layout_gravity="center"
        android:layout_marginBottom="24dp" />

    <Button android:id="@+id/button"
        android:layout_gravity="center"
        android:layout_width="357dp"
        android:layout_height="59dp"
        android:layout_marginBottom="12dp"
        android:backgroundTint="#64B5F6"
        android:text="Increment Counter"
        android:textColor="FFFFFF"
        android:textSize="20sp" />

    <Button android:id="@+id/button2"
        android:layout_gravity="center"
        android:layout_width="357dp"
        android:layout_height="59dp"
        android:backgroundTint="#4CAF50"
        android:text="Change Height"
        android:textColor="FFFFFF"
        android:textSize="20sp"
        android:layout_marginBottom="12dp" />
```

```

<Button
    android:id="@+id/button311"
    android:layout_gravity="center"
    android:layout_width="357dp"
    android:layout_height="59dp"
    android:backgroundTint="#FF9800"
    android:text="Center Text"
    android:textColor="#FFFFFF"
    android:textSize="20sp" />

</LinearLayout>

```

- MainActivity.kt package

```

com.example.assignment4 import
android.os.Bundle import android.view.Gravity
import android.widget.Button import
android.widget.TextView import
androidx.activity.enableEdgeToEdge import
androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat import
import androidx.core.view.WindowInsetsCompat

class MainActivity : AppCompatActivity() { private var
    counter = 0 override fun
    onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val textView: TextView =
            findViewById(R.id.textView) val button1: Button =
            findViewById(R.id.button1) val button2: Button =
            findViewById(R.id.button2) val button3: Button =
            findViewById(R.id.button3)

        // Increment Counter and Update
        Text button1.setOnClickListener {
            counter++
            textView.text = "Counter: $counter"

            // Change Height of TextView
            button2.setOnClickListener {
                textView.layoutParams.height = 300
                textView.requestLayout()
            }
        }
    }
}

```

```
// Center Text in TextView  
button3.setOnClickListener {  
    textView.gravity = Gravity.CENTER
```

Assignment 5:

Upload All Assignment On Git Hub With App Code

<https://github.com/mydocument/MySalon>

