EX 6

ANDROID MANIFEST

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

    <application
            android:allowBackup="true"
            android:dataExtractionRules="@xml/data_extraction_rules"
            android:fullBackupContent="@xml/backup_rules"
            android:icon="@mipmap/ic_launcher"
            android:label="@string/app_name"
            android:roundIcon="@mipmap/ic_launcher_round"
            android:supportsRtl="true"
            android:theme="@style/Theme.Ex6"
            tools:targetApi="31">
        <activity
                android:name=".MainActivity"
                android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN"/>

                <category android:name="android.intent.category.LAUNCHER"/>
            </intent-filter>
        </activity>
    </application>

</manifest>
```

ACTIVITY MAIN1

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
                xmlns:tools="http://schemas.android.com/tools"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                tools:context=".MainActivity">

    <EditText
            android:id="@+id/usernameEditText"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Enter Username"
            android:layout_marginTop="50dp"
            android:layout_marginStart="20dp"
            android:layout_marginEnd="20dp"/>

    <EditText
            android:id="@+id/idEditText"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Enter ID"
            android:layout_below="@id/usernameEditText"
            android:layout_marginTop="20dp"
            android:layout_marginStart="20dp"
            android:layout_marginEnd="20dp"/>

    <Button
            android:id="@+id/validateButton"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Login"
```

```xml
            android:layout_below="@id/idEditText"
            android:layout_centerHorizontal="true"
            android:layout_marginTop="20dp"/>

</RelativeLayout>
```

ACTIVITY MAIN 2

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
                xmlns:tools="http://schemas.android.com/tools"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                tools:context=".MainActivity2">

    <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Login Successful!"
            android:textSize="24sp"
            android:layout_centerInParent="true"/>

</RelativeLayout>
```

MAIN ACTIVITY 1

```kotlin
package com.example.ex6
import android.content.Intent
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val validateButton: Button = findViewById(R.id.validateButton)
        val usernameEditText: EditText = findViewById(R.id.usernameEditText)
        val idEditText: EditText = findViewById(R.id.idEditText)

        validateButton.setOnClickListener {
            val username = usernameEditText.text.toString().trim()
            val id = idEditText.text.toString().trim()

            if (username.isEmpty() || id.isEmpty()) {
                // Check if any field is empty
                // Show error message as toast
                Toast.makeText(this, "Username and ID cannot be empty",
Toast.LENGTH_SHORT).show()
                return@setOnClickListener
            }

            if (!username.matches(Regex("[a-zA-Z]+"))) {
                // Check if username contains only alphabets
                // Show error message as toast
                Toast.makeText(this, "Username should contain only alphabets",
Toast.LENGTH_SHORT).show()
                return@setOnClickListener
            }
```

```kotlin
            if (!id.matches(Regex("\\d{4}"))) {
                // Check if ID contains exactly 4 digits
                // Show error message as toast
                Toast.makeText(this, "ID should contain exactly 4 digits",
Toast.LENGTH_SHORT).show()
                return@setOnClickListener
            }

            // If all validations pass, start MainActivity2
            val intent = Intent(this, MainActivity2::class.java)
            intent.putExtra("username", username)
            intent.putExtra("id", id)
            startActivity(intent)
        }
    }
}
```

MAIN ACTIVITY 2

```kotlin
package com.example.ex6

import android.os.Bundle
import androidx.appcompat.app.AppCompatActivity

class MainActivity2 : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main2)
    }
}
```