**Assignment 1**

**Code :**

<?xml version="1.0" encoding="utf-8"?>  
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"  
 android:id="@+id/back"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@color/material\_dynamic\_neutral40">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="center\_horizontal"  
 android:orientation="vertical"  
 android:padding="20dp">  
  
 <TextView  
 android:layout\_marginTop="30dp"  
 android:id="@+id/tvTitle"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="20dp"  
 android:text="Sign Up Form"  
 android:textColor="@color/white"  
 android:textSize="30sp"  
 android:textStyle="bold" />

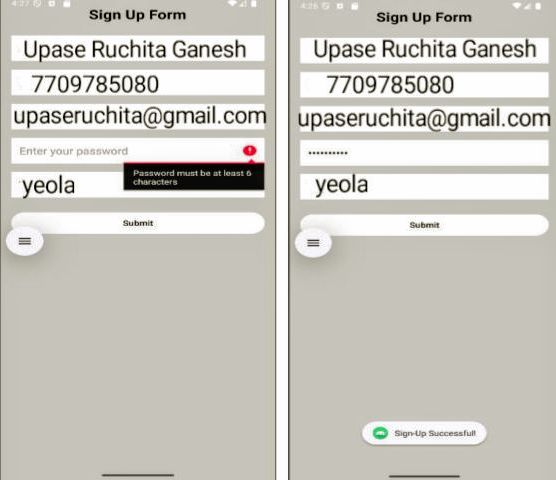
<EditText  
 android:id="@+id/etName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginBottom="10dp"  
 android:background="@drawable/custom\_edittext"  
 android:hint="Enter Name"  
 android:inputType="textPersonName"  
 android:padding="12dp"  
 android:textColor="@color/black"/>  
  
 <EditText  
 android:id="@+id/etContact"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="10dp"  
 android:background="@drawable/custom\_edittext"  
 android:hint="Enter Contact Number"  
 android:inputType="phone"  
 android:maxLength="10"  
 android:padding="12dp"  
 android:textColor="@color/black"/>

<EditText  
 android:id="@+id/etEmail"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="10dp"  
 android:background="@drawable/custom\_edittext"  
 android:hint="Enter Email"  
 android:inputType="textEmailAddress"  
 android:padding="12dp"  
 android:textColor="@color/black"/>  
  
 <EditText  
 android:id="@+id/etPassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="10dp"  
 android:background="@drawable/custom\_edittext"  
 android:hint="Enter Password"  
 android:inputType="textPassword"  
 android:padding="12dp"  
 android:textColor="@color/black"/>  
  
 <EditText  
 android:id="@+id/etAddress"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="20dp"  
 android:background="@drawable/custom\_edittext"  
 android:hint="Enter Address"  
 android:inputType="textPostalAddress"  
 android:padding="12dp"  
 android:textColor="@color/black"/>  
  
 <Button  
 android:id="@+id/btnSubmit"  
 android:layout\_width="272dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginBottom="20dp"  
 android:backgroundTint="@color/white"  
 android:padding="12dp"  
 android:text="Submit"  
 android:textColor="@color/black"  
 android:textSize="20dp" />  
 </LinearLayout>  
</ScrollView>

* MainActivity.kt

package com.example.assignment1  
  
import android.os.Bundle  
import android.text.TextUtils  
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() {  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 val etName = findViewById<EditText>(R.id.*etName*)  
 val etContact = findViewById<EditText>(R.id.*etContact*)  
 val etEmail = findViewById<EditText>(R.id.*etEmail*)  
 val etPassword = findViewById<EditText>(R.id.*etPassword*)  
 val etAddress = findViewById<EditText>(R.id.*etAddress*)  
 val btnSubmit = findViewById<Button>(R.id.*btnSubmit*)  
  
 btnSubmit.setOnClickListener **{** val name = etName.*text*.toString().*trim*()  
 val contact = etContact.*text*.toString().*trim*()  
 val email = etEmail.*text*.toString().*trim*()  
 val password = etPassword.*text*.toString().*trim*()  
 val address = etAddress.*text*.toString().*trim*()  
  
 when {  
 TextUtils.isEmpty(name) -> etName.*error* = "Name is required"  
 TextUtils.isEmpty(contact) -> etContact.*error* = "Contact number is required"  
 contact.length != 10 -> etContact.*error* = "Contact must be 10 digits"  
 TextUtils.isEmpty(email) -> etEmail.*error* = "Email is required"  
 !android.util.Patterns.*EMAIL\_ADDRESS*.matcher(email).matches() ->  
 etEmail.*error* = "Enter a valid email"  
 TextUtils.isEmpty(password) -> etPassword.*error* = "Password is required"  
 TextUtils.isEmpty(address) -> etAddress.*error* = "Address is required"  
 else -> {  
 Toast.makeText(this, "Sign-Up Successful!", Toast.*LENGTH\_SHORT*).show()  
 }  
 }  
 **}** }  
}

**OUTPUT :**

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