VALIDATION(PGM-6)

<?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"  
 tools:context=".MainActivity"  
 tools:ignore="HardcodedText">  
 <EditText  
 android:id="@+id/firstName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginEnd="16dp"  
 android:hint="First Name"  
 android:inputType="text"/>  
 <EditText  
 android:id="@+id/lastName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginEnd="16dp"  
 android:hint="Last Name"  
 android:inputType="text"/>  
 <EditText  
 android:id="@+id/email"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
  
  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginEnd="16dp"  
 android:hint="Email"  
 android:inputType="textEmailAddress"/>  
 <EditText  
 android:id="@+id/password"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginEnd="16dp"  
 android:hint="Password"  
 android:inputType="textPassword"/>  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="8dp"  
 android:gravity="end"  
 android:orientation="horizontal">  
 <Button  
 android:id="@+id/cancelButton"  
 style="@style/Widget.AppCompat.Button.Borderless"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="4dp"  
 android:text="CANCEL"  
 android:textColor="@color/design\_default\_color\_primary"/>  
 <Button  
 android:id="@+id/proceedButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="16dp"  
 android:backgroundTint="@color/design\_default\_color\_primary"  
 android:text="PROCEED"  
 android:textColor="@android:color/white"  
 tools:ignore="Buttonstyle"/>  
 </LinearLayout>  
</LinearLayout>

MAINACTIVITY

package com.example.validation;  
import androidx.appcompat.app.AppCompatActivity;  
import android.content.Intent;  
import android.os.Bundle;  
import android.util.Patterns;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
public class MainActivity extends AppCompatActivity {  
 Button bcancel,bproceed;  
 EditText etFirstName,etLastName,etEmail,etPassword;  
 boolean isAllFieldsChecked=false;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 bproceed=findViewById(R.id.*proceedButton*);  
 bcancel=findViewById(R.id.*cancelButton*);  
 etFirstName=findViewById(R.id.*firstName*);  
 etLastName=findViewById(R.id.*lastName*);  
 etEmail=findViewById(R.id.*email*);  
 etPassword=findViewById(R.id.*password*);  
 bproceed.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 isAllFieldsChecked=isAllFieldsCheckedAllFields();  
 if(isAllFieldsChecked){  
 Intent i=new Intent(String.*valueOf*(MainActivity.this));  
 startActivity(i);  
 }  
 }  
 });  
 bcancel.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 MainActivity.this.finish();  
  
  
 System.*exit*(0);  
 }  
 });  
 }  
 private boolean isAllFieldsCheckedAllFields() {  
 if(etFirstName.length()==0){  
 etFirstName.setError("This field is required");  
 return false;  
 }  
 if(etLastName.length()==0){  
 etLastName.setError("This field is required");  
 return false; }  
 String email=etEmail.getText().toString();  
 if(!email.isEmpty()&& Patterns.*EMAIL\_ADDRESS*.matcher(email).matches()){  
 }else{  
 etEmail.setError("Enter valid email");  
 return false; }  
 if(etPassword.length()==0){  
 etPassword.setError("Password is required");  
 return false; }  
 else if(etPassword.length()<8){  
 etPassword.setError("Password must be minimum 8 character");  
 return false;  
 }  
 return false;  
 }  
}

<?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:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerInParent="true"  
 android:text="Hello, World!"  
 android:textSize="18sp" />  
  
</RelativeLayout>