**21BCT0313**

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**VIT VELLORE (VELLORE)**

**CSE IOT**

**ASSIGNMENT -1**

Below is the code inside my kotlin and xml file.

The screenshots are also attached.

**Kotlin File**

package com.example.login  
  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.widget.Button  
import android.widget.EditText  
import android.widget.Toast  
  
class MainActivity : AppCompatActivity() {  
  
 private lateinit var usernameEditText: EditText  
 private lateinit var passwordEditText: EditText  
 private lateinit var loginButton: Button  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 usernameEditText = findViewById(R.id.*usernameEditText*)  
 passwordEditText = findViewById(R.id.*passwordEditText*)  
 loginButton = findViewById(R.id.*loginButton*)  
  
 loginButton.setOnClickListener **{** // Check if both username and password are not empty  
 val username = usernameEditText.*text*.toString().*trim*()  
 val password = passwordEditText.*text*.toString().*trim*()  
  
 if (username.*isNotEmpty*() && password.*isNotEmpty*()) {  
 showToast("Thanks for submitting")  
 } else {  
 showToast("Please enter both username and password")  
 }  
 **}** }  
  
 private fun showToast(message: String) {  
 Toast.makeText(this, message, Toast.*LENGTH\_SHORT*).show()  
 }  
}

**Xml File**

<?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:gravity="center"  
 android:orientation="vertical"  
 android:padding="16dp">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="This is assignment 1 : \n\n Anaadi Rumpal \n 21BCT0313"  
 android:textAlignment="center"  
 android:textSize="22sp" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="20dp"  
 android:text="LOGIN"  
 android:textAlignment="center"  
 android:textColor="#6750A3"  
 android:textSize="22sp"  
 android:textStyle="bold" />  
  
 <EditText  
 android:id="@+id/usernameEditText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Username"  
 android:inputType="text"  
 android:layout\_marginBottom="16dp" />  
  
 <EditText  
 android:id="@+id/passwordEditText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Password"  
 android:inputType="textPassword"  
 android:layout\_marginBottom="16dp" />  
  
 <Button  
 android:id="@+id/loginButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Login"  
 android:onClick="loginButtonClicked" />  
  
  
  
</LinearLayout>

**Output-**

