<div align="center">**ASSIGNMENT -1**</div>

CREATION OF A LOGIN SCREEN WITH USERNAME AND PASSWORD WITH LOGIN BUTTON IN ANDROID STUDIO USING KOTLIN LANGUAGE.

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MainActivity.kt

```
package com.test.loginscreen

import …

class MainActivity : AppCompatActivity() {

override fun onCreate(SavedInstanceState: Bundle?){

super.onCreate(SavedInstanceState)

setContentView(R.layout.activity_main)


button.setOnClickListener( it:View!

If(editTextTextEmailAdress.text.isNullorBlank()&&editTextPassword.text.isNullOrBlank(){

Toast.makeText(context this, text:"Please fill the required Fields",Toast.LENGTH_SHORT).show()

}

else{

Toast.makeText( context: this, text "${editTextTextEmailAddress.text}is logged in!!",Toast.LENGTH_SHORT).show()

}

}

}

}
```

Colors.xml

```
<?xml version = "1.0" encoding="utf-8"?>

<resources>

<color  name="colorPrimary">#6200EE</color>

<color name="colorPrimaryDark">#370083</color>

<color name="colorAccent">#03DAC5</color>
```

```xml
<color name="red">#12828</color>

</resources>

styles.xml

<resources>

<style name = "AppTheme" parent="Theme.AppCompat.Light.NoActionBarr">

<item name = "colorPrimary">@color.colorPrimary</item>

<item name = "colorPrimaryDark">@color/colorPrimaryDark</item>

<item name = "colorAccent">@color/colorAccent</item>

</style>

</resources>
```

Activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>

<androidx.constralntlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res-auto"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout_widtha"match_parent"

android: layout_height="match_parent"

android:background="@android:color/white"

tools:context=".MainActivity">

<EditText

android:id="@+id/editTextTextEmailAddress"

android:layout_width="Odp"

android:layout_height="wrap_content"

android:layout_marginStart="16dp"

android:layout_marginEnd="16dp"

android:ems="10"

android:hint="Username"

android:inputType="textEmailAddress"

android:textcolor="&android:color/black"
```
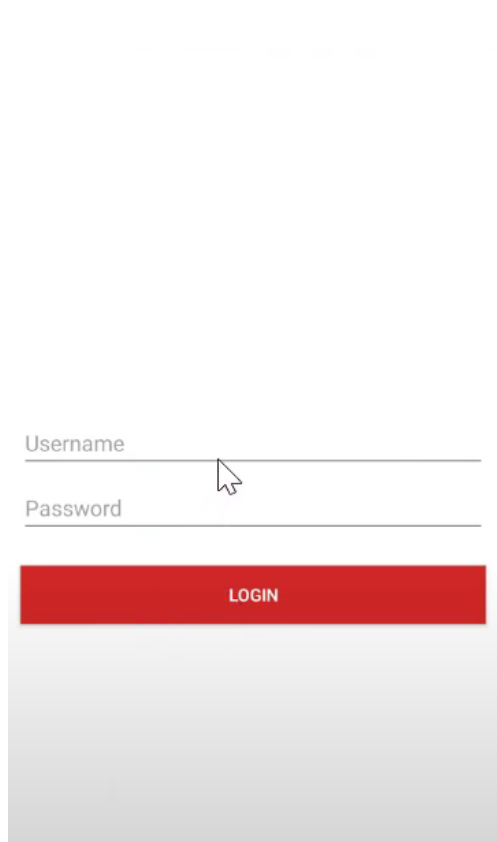
```xml
        app:layout_constraintBottom_toBottomOf="parent"

        app:layout_constraintEnd_toEndOf="parent

        app:layout_constraintStart_toStartOf="parent"

        app:layout_constraintTop_toTopOf="parent" />

    <EditText

        android:id="@+id/editTextTextPassword"

        android:layout_width="0dp"

        android:layout_height="wrap_content"

        android:layout_marginTop="8dp"

        android:ems="10"

        android:hint="Password"

        android:inputType="textPassword"

        android:textColor="@android:color/black"

        app:layout_constraintEnd_toEndOf="@+id/editTextTextEmailAddress"

        app:layout_constraintstart_tostartOf="@+id/editTextTextEmailAddress"

        app:layout_constraintTop_toBottomOf="@+id/editTextTextEmailAddress"

    <Button

        android:id="@+id/button"

        android:layout_width="0dp"

        android:layout_height="wrap_content"

        android:layout_marginTop="24dp"

        android: text="Login"

        android:textColor="@android:color/white"

        android:background="@color/red"

        app:layout_constraintEnd_toEndOf="@+id/editTextTextPassword"

        app:layout_constraintStart_toStartOf="@+id/editTextTextPassword"

        app:layout_constraintTop_toBottomof="@tid/editTextTextpassword"

</androidx.constraintlayout.widget.ConstraintLayout>
```

Screenshot of final Build Design

Username

Password

LOGIN