



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Experiment-2.1

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Subject Name: Mobile Application Development Lab

Subject Code: 20CSP-356

1. Aim:

Create an application that takes the name from a text box and shows hello message along with the name entered in text box, when the user clicks the OK button.

2. Apparatus / Simulator Used:

- Linux OS/ Windows 7 or above
- Android Studio
- Ram 4 GB and above
- Java (Including JDK & JRE)

3. Objective:

- To understand the concept of Text Edit Control.
- To implement the TextBox in Android Studio.
- To implement the Button in Android Studio.

4. Code:

MainActivity.java

```
package com.example.textedit;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText; import android.widget.TextView;
import androidx.appcompat.app.AppCompatActivity;

import java.text.BreakIterator;

public class MainActivity extends AppCompatActivity {
    Button buttonSubmit, buttonReset;

    @Override

    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        EditText editName = (EditText) findViewById(R.id.editName);
        EditText editPassword = (EditText) findViewById(R.id.editPassword);
        TextView result = (TextView) findViewById(R.id.tvResult);
        buttonSubmit = (Button) findViewById(R.id.buttonSubmit);
        buttonReset = (Button) findViewById(R.id.buttonReset);
```

```
buttonSubmit.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        BreakIterator editName = null;
        String name = editName.getText().toString();

        BreakIterator editPassword = null;
        String password = editPassword.getText().toString();
        BreakIterator result = null;
        result.setText("Name:\t" + name + "\nPassword:\t" + password );

    }

});

buttonReset.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // clearing out all the values
        editName.setText("");
        editPassword.setText("");
        result.setText("");
        editName.requestFocus();
    }
});
```

```
});  
  
}  
  
}
```

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>  
  
<RelativeLayout 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:background="#ffff"  
    tools:context="com.example.textedit.MainActivity">  
  
    <TextView  
        android:id="@+id/textView"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_alignParentLeft="true"  
        android:layout_alignParentStart="true"  
        android:layout_alignParentTop="true"  
        android:text="NAME"  
        android:textSize="20sp"  
        android:layout_margin="20dp" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="20sp"
    android:text="PASSWORD"
    android:layout_marginTop="38dp"
    android:layout_below="@+id/textView"
    android:layout_alignLeft="@+id/textView"
    android:layout_alignStart="@+id/textView" />

<EditText
    android:id="@+id/editName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:hint="Enter Name"
    android:layout_alignParentTop="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentEnd="true"
    android:layout_alignLeft="@+id/editPassword"
    android:layout_alignStart="@+id/editPassword" />

<EditText
    android:id="@+id/editPassword"
    android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"  
android:ems="10"  
android:hint="Enter Password"  
android:inputType="textPassword"  
android:layout_alignBottom="@+id/textView2"  
android:layout_alignParentRight="true"  
android:layout_alignParentEnd="true"  
android:layout_marginRight="18dp"  
android:layout_marginEnd="18dp" />
```

<Button

```
android:id="@+id/buttonSubmit"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_alignParentLeft="true"  
android:layout_alignParentStart="true"  
android:layout_below="@+id/textView2"  
android:layout_marginTop="20dp"  
android:text="SUBMIT" />
```

<Button

```
android:id="@+id/buttonReset"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="RESET"  
android:layout_alignBaseline="@+id/buttonSubmit"  
android:layout_alignBottom="@+id/buttonSubmit"  
android:layout_centerHorizontal="true" />
```



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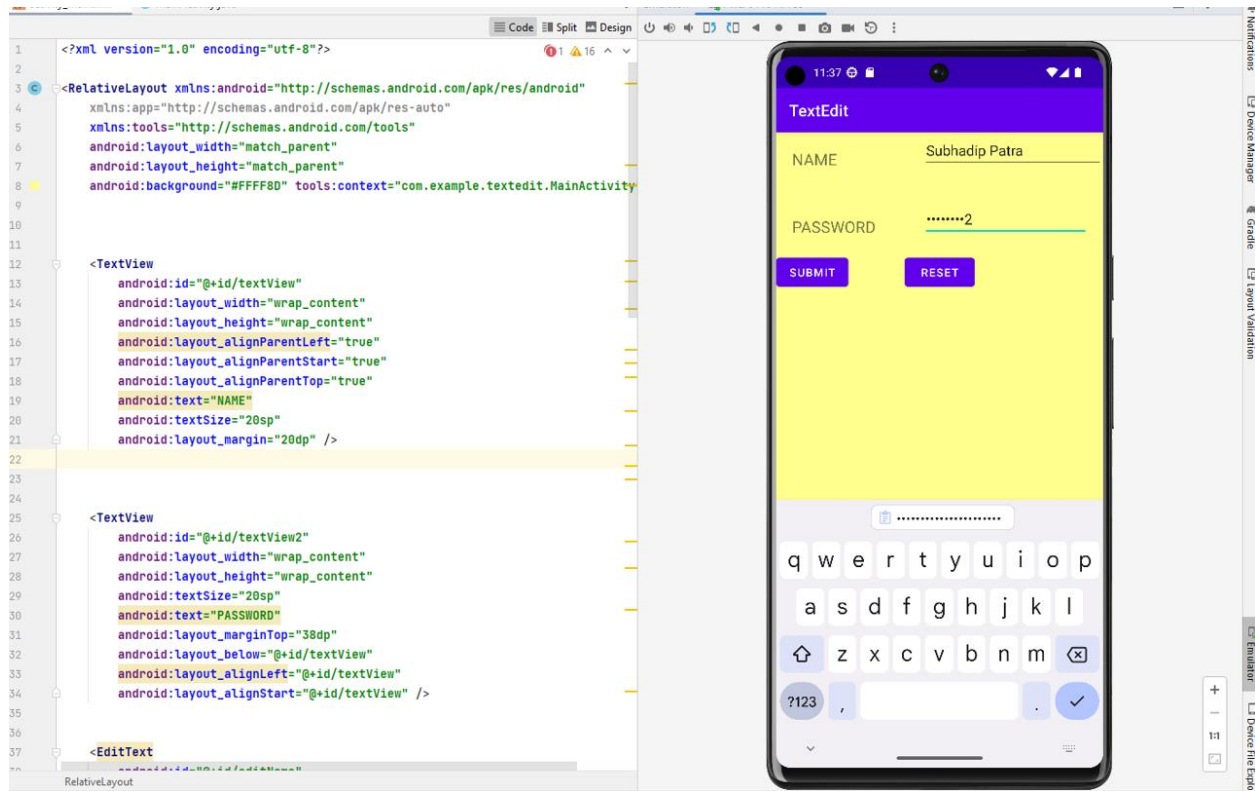
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```
<TextView
    android:id="@+id/tvResult"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentStart="true"
    android:layout_marginBottom="143dp"
    android:textSize="30sp" />
```

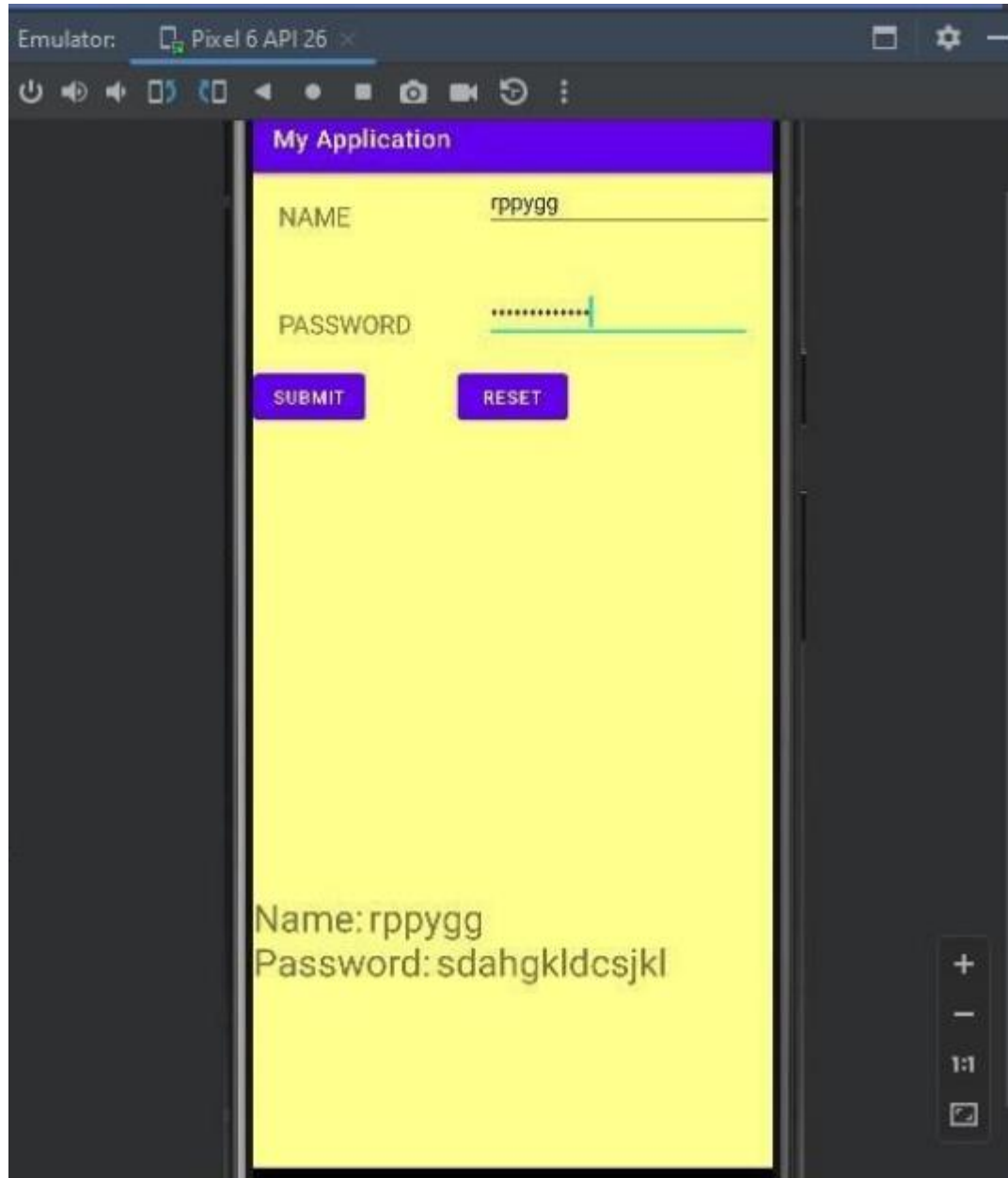
```
</RelativeLayout>
```

5. Output:

app overview



After submit button



After reset button

