

Experiment 2.1

Student Name: Yash Gupta
Branch: BE-CSE
Semester: 6
Subject Name: MAD LAB

UID: 20BCS5009
Section/Group: 20BCS_DM-716 B
Date of Performance: 23/03/23
Subject Code: 20CSP_356

1. Aim:

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

2. Objective:

To learn about the App widget and how to use them.
Learn to scroll and drag in android studio.

3. Code and output:

```
package com.example.my14; import
androidx.appcompat.app.AppCompatActivity; import
android.annotation.SuppressLint; import
android.os.Bundle; import android.view.View;
import android.widget.Button; import
android.widget.EditText; import
android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    TextView text;
    Button mybutton;
    EditText takeinp;
    EditText password;

    @SuppressWarnings("MissingInflatedId")
    @Override    protected void onCreate(Bundle savedInstanceState)
    {    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);    mybutton=(Button)
    findViewById(R.id.button_01);    text=(TextView)
    findViewById(R.id.text_view);    takeinp=(EditText)
    findViewById(R.id.editTextTextPersonName);
```

```

password=(EditText) findViewById(R.id.editTextTextPassword);
mybutton.setOnClickListener(new View.OnClickListener() {
    @Override    public
void onClick(View v) {

        String name=takeinp.getText().toString();
String passwo=password.getText().toString();
        text.setText("Name:\t"+name+"\nPassword:\t"+passwo);
    }
});
}}

```

XML :-

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    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"
    tools:context=".MainActivity">

    <TextView    android:id="@+id/text_view"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Hello World!"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.558" />

    <Button    android:id="@+id/button_01"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Button"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"

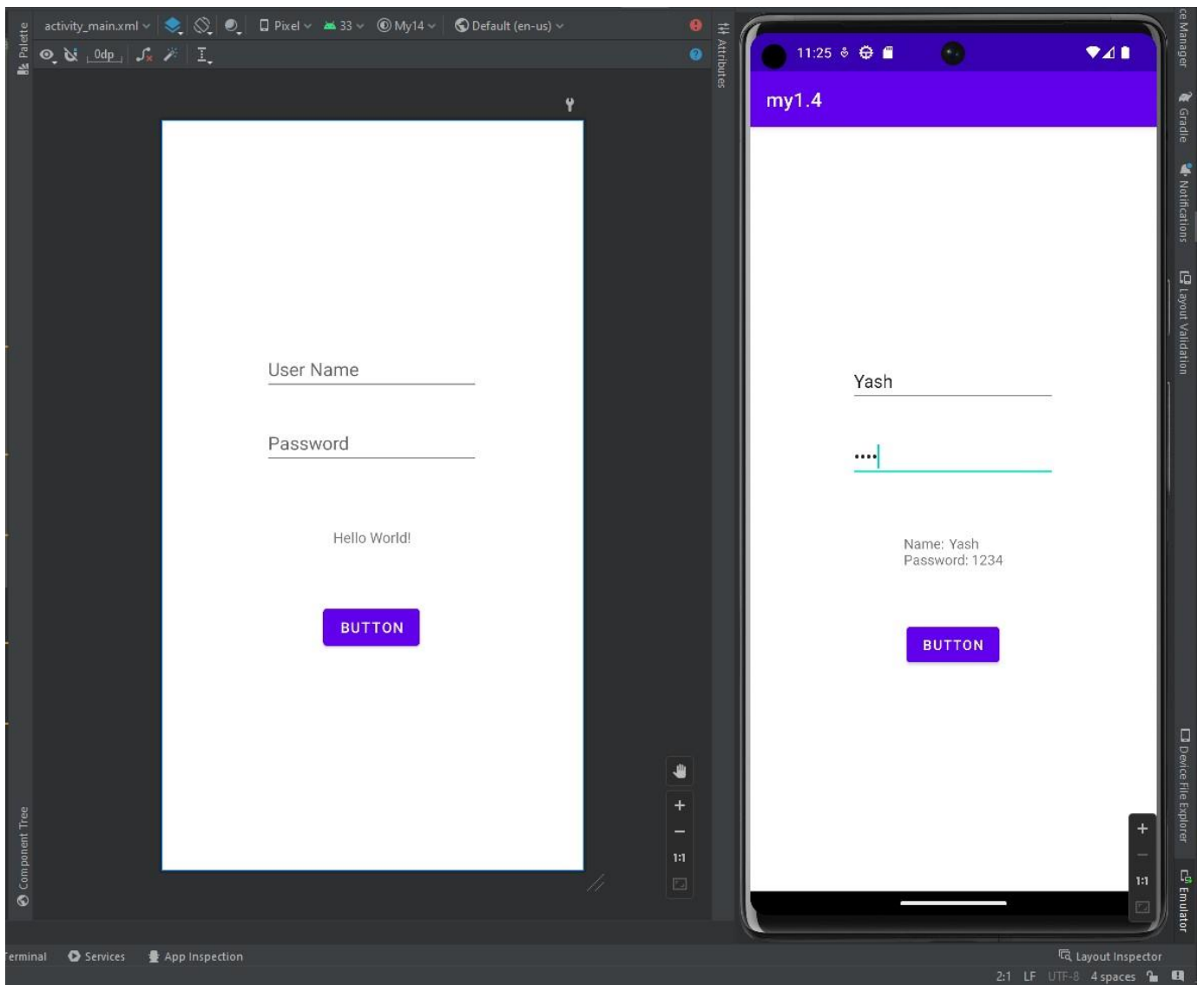
```

```
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.689" />
```

```
<EditText
    android:id="@+id/editTextTextPersonName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:hint="User Name"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.322" />
```

```
<EditText
    android:id="@+id/editTextTextPassword"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPassword"
    android:hint="Password"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.427" />
```

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



Yash

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Name: Yash
Password: 1234

BUTTON