Name : Sanket Deshmane

Roll No : 332012

GR No : 21810492

Sub : Mobile App Development

……

Assignment 13

Aim : Create an application that will demonstrate Dialog box control in android

- .XML 1

```
<?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"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Dummy Text"
        android:layout_marginTop="100dp"
        android:layout_centerHorizontal="true"
        android:textAlignment="center"
        android:id="@+id/txt"
        android:textSize="25dp"></TextView>
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="200dp"
        android:textSize="15dp"
        android:layout_below="@+id/txt"
        android:text="Click here to change text"
        android:backgroundTint="@color/teal_200"
        android:id="@+id/button1"
        android:onClick="showBox"
        android:layout_centerHorizontal="true"></Button>

</RelativeLayout>
```

- .XML2

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:padding="20dp"
```

```
        android:layout_height="match_parent">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Enter Name"
            android:id="@+id/tx1"
            android:textAlignment="center"
            android:layout_marginTop="1dp"
            android:textSize="22dp"
            android:fontFamily="serif"></TextView>

        <EditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_below="@+id/tx1"
            android:layout_marginTop="15dp"
            android:textSize="20dp"
            android:hint="Enter Name:"
            android:id="@+id/txt1"></EditText>
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_below="@+id/txt1"
            android:layout_marginTop="10dp">
            <Button
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:backgroundTint="@color/teal_200"
                android:text="Cancel"
                android:textSize="18dp"
                android:layout_marginRight="5dp"
                android:id="@+id/btn_cancel"
                android:layout_weight="1"></Button>
            <Button
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:backgroundTint="@color/teal_200"
                android:text="Okay"
                android:layout_marginLeft="5dp"
                android:id="@+id/btn_okay"
                android:textSize="18dp"
                android:layout_weight="1"></Button>
        </LinearLayout>


    </RelativeLayout>
```

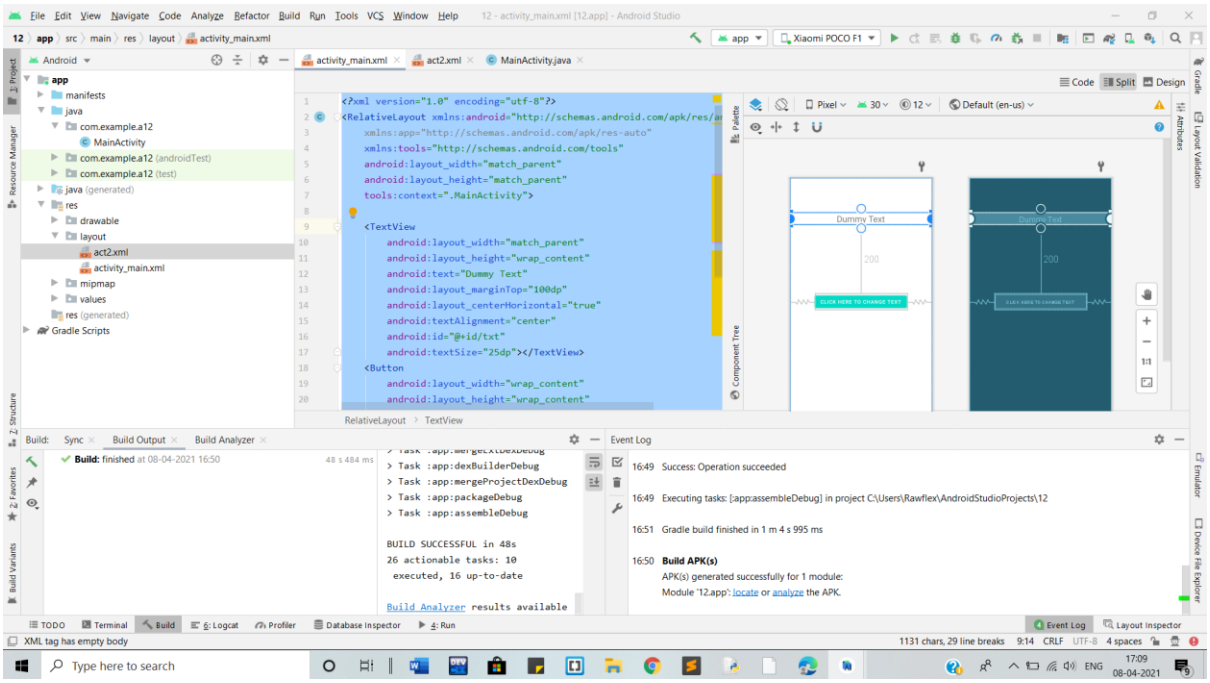
- .JAVA1

```
package com.example.a12;

import androidx.appcompat.app.AppCompatActivity;

import android.app.AlertDialog;
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 txt_dummy;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        txt_dummy = (TextView)findViewById(R.id.txt);
    }

    public void showBox(View view) {
        AlertDialog.Builder alert = new
AlertDialog.Builder(MainActivity.this);
        View mview = getLayoutInflater().inflate(R.layout.act2,null);
        EditText txt_in = (EditText)mview.findViewById(R.id.txt1);
        Button btn_cancel = (Button)mview.findViewById(R.id.btn_cancel);
        Button btn_okay = (Button)mview.findViewById(R.id.btn_okay);

        alert.setView(mview);
        AlertDialog alertDialog = alert.create();
        alertDialog.setCancelable(false);

        btn_cancel.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
             alertDialog.dismiss();
            }
        });
        btn_okay.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
             txt_dummy.setText(txt_in.getText().toString());
             alertDialog.dismiss();
            }
        });
        alertDialog.show();
    }
}
```

➢

➢ SCREENSHOTS


File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
12 - activity_main.xml [12.app] - Android Studio
app
Xiaomi POCO F1
activity_main.xml
act2.xml
MainActivity.java
Android
Code
Split
Design
app
manifests
java
com.example.a12
MainActivity
com.example.a12 (androidTest)
com.example.a12 (test)
java (generated)
res
drawable
layout
act2.xml
activity_main.xml
mipmap
values
res (generated)
Gradle Scripts
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/a
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
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android:layout_height="match_parent"
tools:context=".MainActivity">
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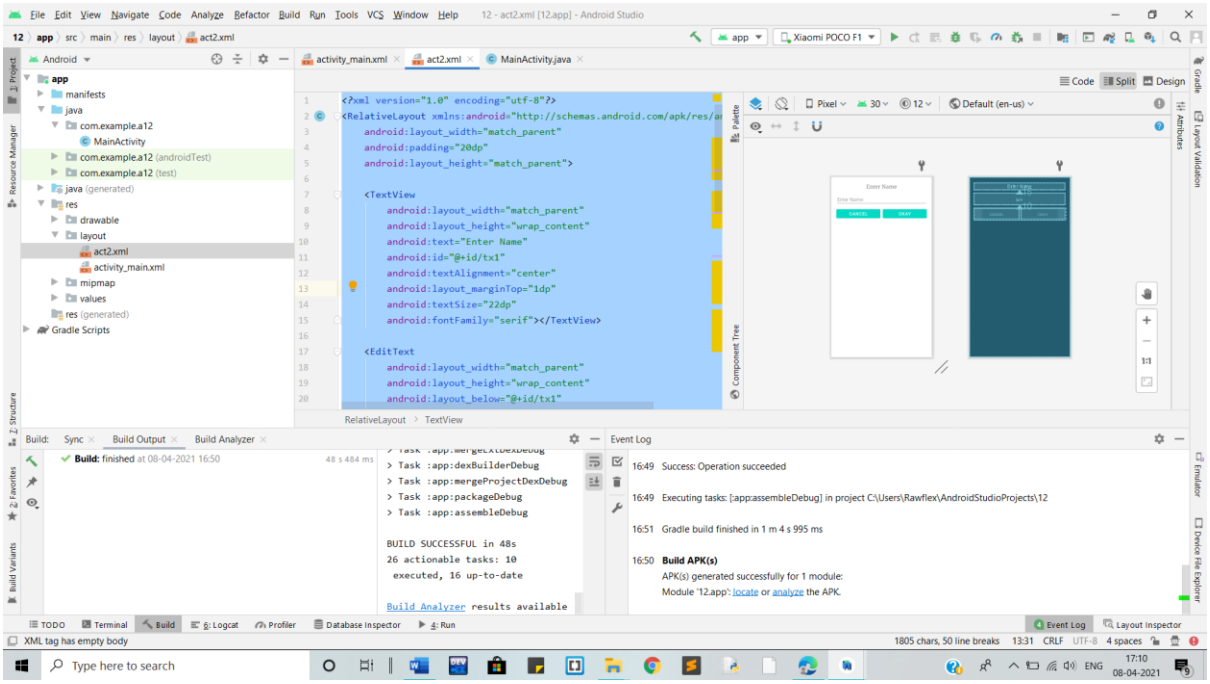
android:text="Dummy Text"
android:layout_marginTop="100dp"
android:layout_centerHorizontal="true"
android:textAlignment="center"
android:id="@+id/txt"
android:textSize="25dp"></TextView>
<Button
android:layout_width="wrap_content"
android:layout_height="wrap_content"
Pixel
30
12
Default (en-us)
Dummy Text
200
CLICK HERE TO CHANGE TEXT
RelativeLayout
TextView
Build:
Sync
Build Output
Build Analyzer
Build: finished at 08-04-2021 16:50
48 s 484 ms
> Task :app:dexBuilderDebug
> Task :app:mergeProjectDexDebug
> Task :app:packageDebug
> Task :app:assembleDebug
BUILD SUCCESSFUL in 48s
26 actionable tasks: 10
executed, 16 up-to-date
Build Analyzer results available
Event Log
16:49 Success: Operation succeeded
16:49 Executing tasks: [:app:assembleDebug] in project C:\Users\Rawflex\AndroidStudioProjects\12
16:51 Gradle build finished in 1 m 4 s 995 ms
16:50 Build APK(s)
APK(s) generated successfully for 1 module:
Module '12.app': locate or analyze the APK.
TODO
Terminal
Build
6: Logcat
Profiler
Database Inspector
4: Run
Event Log
Layout Inspector
XML tag has empty body
1131 chars, 29 line breaks
9:14
CRLF
UTF-8
4 spaces
Type here to search
ENG
17:09
08-04-2021


File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
12 - act2.xml [12.app] - Android Studio
app
Xiaomi POCO F1
activity_main.xml
act2.xml
MainActivity.java
Android
Code
Split
Design
app
manifests
java
com.example.a12
MainActivity
com.example.a12 (androidTest)
com.example.a12 (test)
java (generated)
res
drawable
layout
act2.xml
activity_main.xml
mipmap
values
res (generated)
Gradle Scripts
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/a
android:layout_width="match_parent"
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<TextView
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android:layout_height="wrap_content"
android:text="Enter Name"
android:id="@+id/tx1"
android:textAlignment="center"
android:layout_marginTop="1dp"
android:textSize="22dp"
android:fontFamily="serif"></TextView>
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_below="@+id/tx1"
Pixel
30
12
Default (en-us)
Enter Name
CANCEL
OKAY
RelativeLayout
TextView
Build:
Sync
Build Output
Build Analyzer
Build: finished at 08-04-2021 16:50
48 s 484 ms
> Task :app:dexBuilderDebug
> Task :app:mergeProjectDexDebug
> Task :app:packageDebug
> Task :app:assembleDebug
BUILD SUCCESSFUL in 48s
26 actionable tasks: 10
executed, 16 up-to-date
Build Analyzer results available
Event Log
16:49 Success: Operation succeeded
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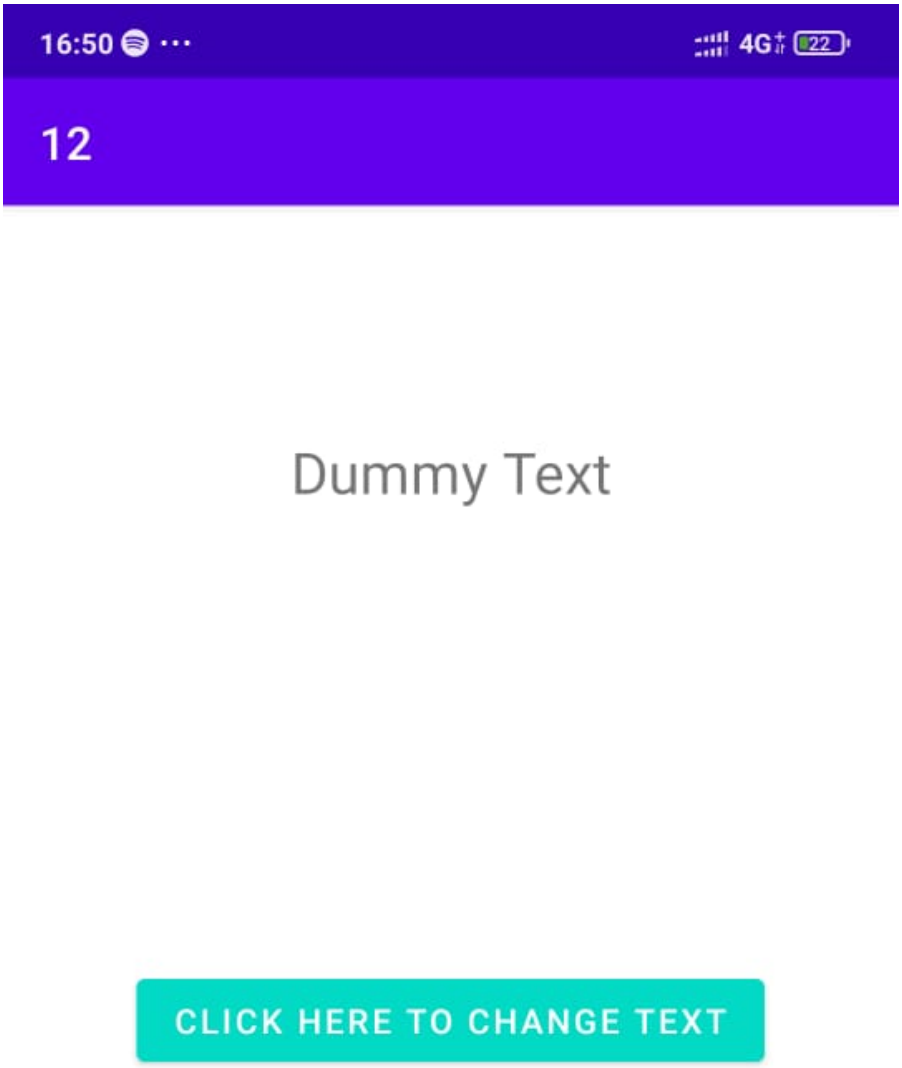
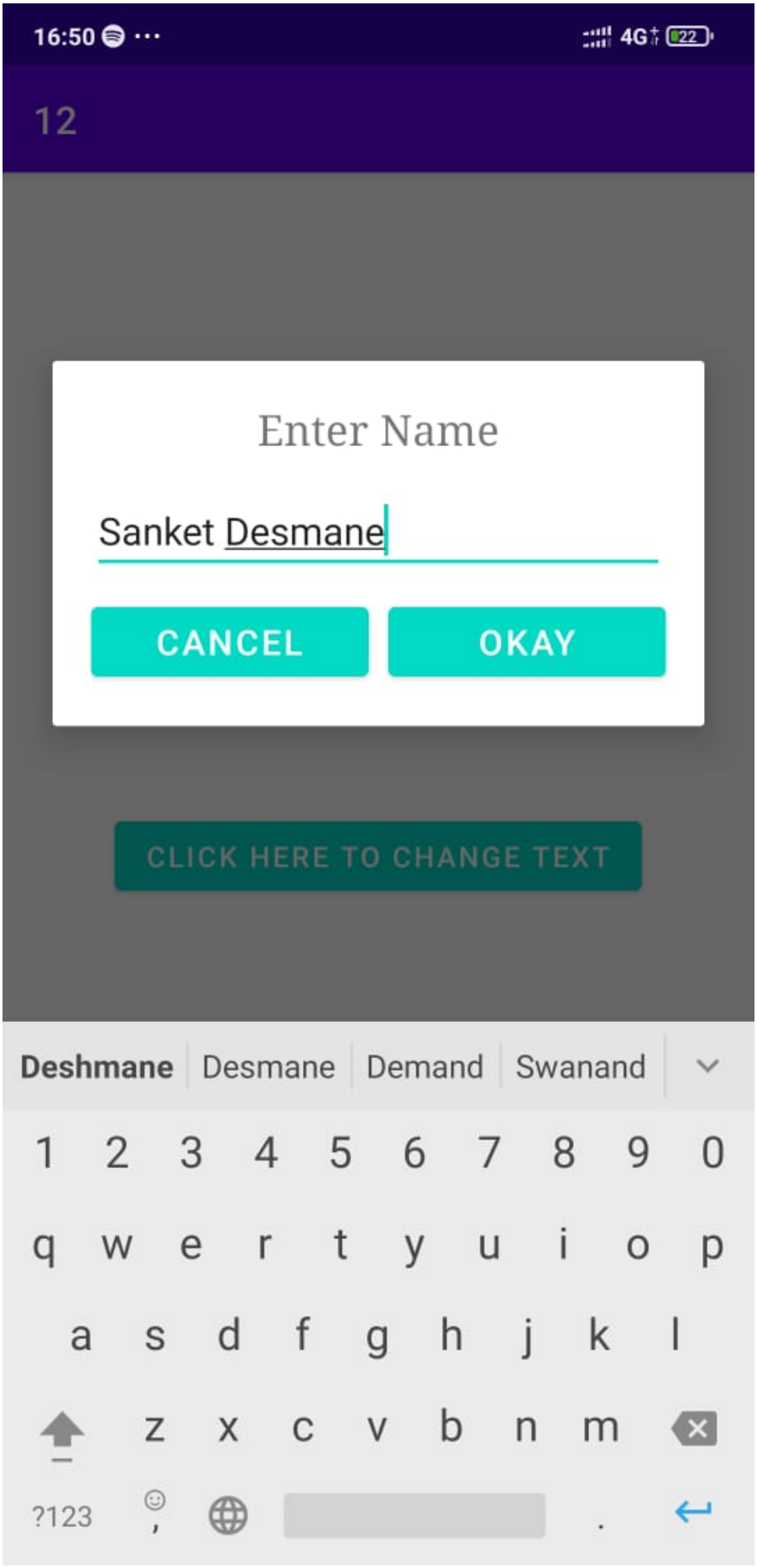
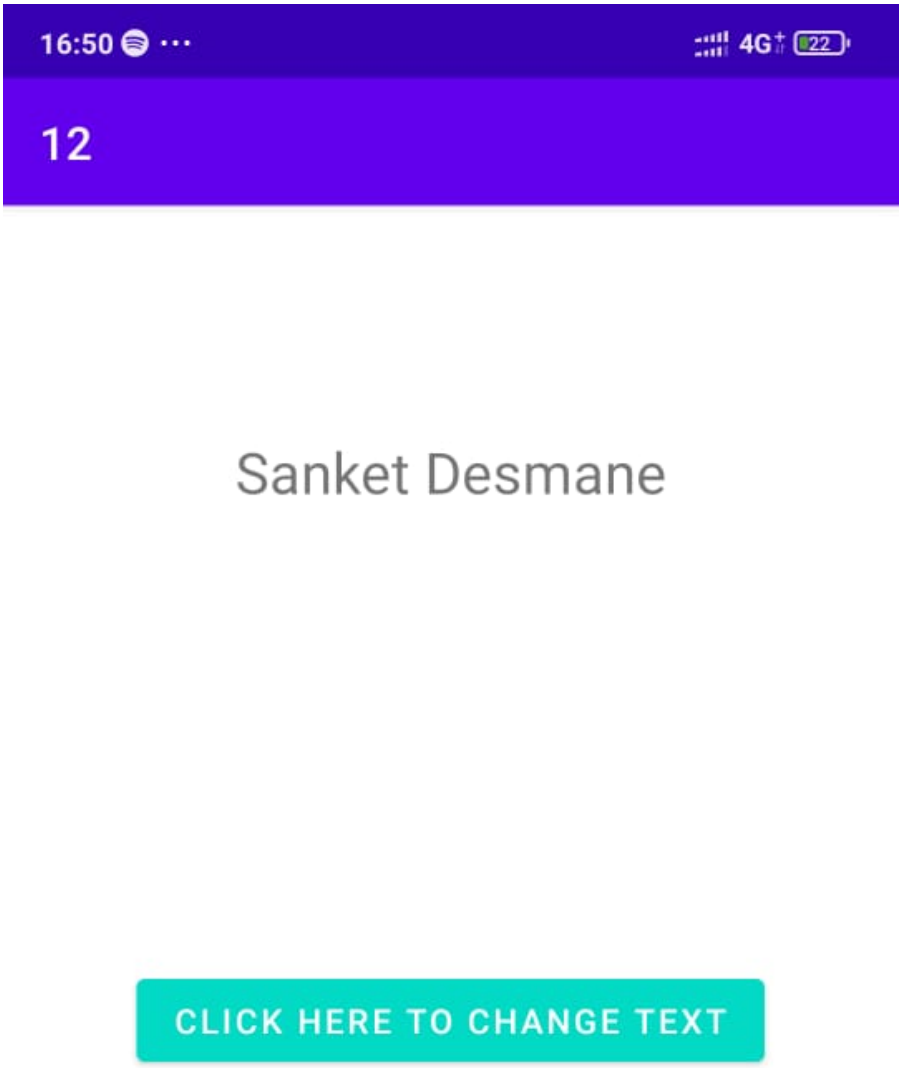
16:51 Gradle build finished in 1 m 4 s 995 ms
16:50 Build APK(s)
APK(s) generated successfully for 1 module:
Module '12.app': locate or analyze the APK.
TODO
Terminal
Build
6: Logcat
Profiler
Database Inspector
4: Run
Event Log
Layout Inspector
XML tag has empty body
1805 chars, 50 line breaks
13:31
CRLF
UTF-8
4 spaces
Type here to search
ENG
17:10
08-04-2021


16:50
4G
22
12
Dummy Text
CLICK HERE TO CHANGE TEXT


16:50
4G
12
Enter Name
Sanket Desmane
CANCEL
OKAY
CLICK HERE TO CHANGE TEXT
Deshmane
Desmane
Demand
Swanand
1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
?123


16:50
4G
22
12
Sanket Desmane
CLICK HERE TO CHANGE TEXT