Demonstration of widgets

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mainActivity.java

```java
package com.example.firstprogram;
import androidx.appcompat.app.AppCompatActivity; import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.QuickContactBadge; import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity { EditText nameText;
    Button click;
    TextView
    myLable;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        nameText = findViewById(R.id.ed);
        click = findViewById(R.id.btn);
        myLable =
        findViewById(R.id.textView);
        click.setOnClickListener(new
            View.OnClickListener() { @Override
            public void onClick(View view) {
                String name
                =nameText.getText().toString();
                myLable.setText(name);
```

```
                Toast.makeText(MainActivity.this, "Good
Evening", Toast.LENGTH_SHORT).show();



            }
        });
    }
}
```

Android manifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest
xmlns:android="http://schemas.android.com/apk/res/android"
```

```xml
    package="com.example.firstprogram">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launch
        er_round" android:supportsRtl="true"
        android:theme="@style/Theme.FirstPro
        gram">
        <activity
            android:name=".MainAct
            ivity"
            android:exported="true
            ">
            <intent-filter>
                <action android:name="android.intent.action.MAIN"
                />

                <category
                android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <meta-data
            android:name="preloaded_fonts"
            android:resource="@array/preloaded_
            fonts" />
    </application>

</manifest>
```

Activity_mian.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLay
out
xmlns:android="http://schemas.android.com/apk/r
es/android"
    xmlns:app="http://schemas.android.com/apk
```

```xml
/res-auto"
xmlns:tools="http://schemas.android.com/t
ools" android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity"
android:background="#99e6e6">

<EditText
    android:id="@+id/ed"
    android:layout_width="292
    dp"
    android:layout_height="78
    dp" android:ems="10"
    android:fontFamily="sans-
    serif"
    android:hint="Enter your
    name"

    android:inputType="textPersonName"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf
    ="parent"
    app:layout_constraintEnd_toEndOf="pare
    nt"
    app:layout_constraintHorizontal_bias="
    0.495"
```

```xml
        app:layout_constraintStart_toStartOf
        ="parent"
        app:layout_constraintTop_toTopOf="pa
        rent"
        app:layout_constraintVertical_bias="
        0.295" />

    <Button
        android:id="@+id/btn"
        android:layout_width="237dp"
        android:layout_height="58dp"
        android:text="@string/ButtonText"
        app:layout_constraintBottom_toBottomOf
        ="parent"
        app:layout_constraintEnd_toEndOf="pare
        nt"
        app:layout_constraintStart_toStartOf="
        parent"
        app:layout_constraintTop_toBottomOf="@
        +id/ed"
        app:layout_constraintVertical_bias="0.
        077" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="328dp"
        android:layout_height="103dp"
        android:fontFamily="casual"
        android:text="@string/LableText"
        android:textAllCaps="false"
        android:textColor="#0C0B0C"
        android:textSize="34sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf
        ="parent"
        app:layout_constraintEnd_toEndOf="pare
        nt"
        app:layout_constraintHorizontal_bias="
        0.493"
        app:layout_constraintStart_toStartOf="
        parent"
        app:layout_constraintTop_toBottomOf="@
        +id/btn"
        app:layout_constraintVertical_bias="0.
        126" />
```

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

String.xml

```xml
<resources>
    <string name="app_name">firstProgram</string>
    <string name="ButtonText">CLICK</string>
    <string name="LableText">This text is replaceble</string>
</resources>
```

Output: