Mata Kuliah : Pemrograman Perangkat Bergerak -TI - S1

Nama : Bayu Prasetya Adji Sugiyarto

NIM : A11.2019.11688

Pertemuan: 1

Hasil Program:



Hello World!



```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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="wrap content"
        android:layout height="wrap content"
        android:text="Hello World!"
        app:layout constraintBottom toBottomOf="parent"
        app:layout constraintLeft toLeftOf="parent"
        app:layout constraintRight toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
Java → MainActivity
package com.example.helloworlds;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class MainActivity extends AppCompatActivity {
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
}
```

Biodata



NIM : A11.2019.11688

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Alamat : Ungaran

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Code:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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/textView10"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="7dp"
        android:layout_marginBottom="9dp"
        android:text="A11.2019.11688"
        android:textAppearance="@style/TextAppearance.AppCompat.Body1"
        android:visibility="visible"
        app:layout_constraintBottom_toTopOf="@+id/textView"
        app:layout constraintStart toEndOf="@+id/textView5" />
    <TextView
        android:id="@+id/textView2"
        android:layout width="wrap content"
        android:layout_height="wrap content"
        android:layout marginBottom="12dp"
        android:text="@string/alamat"
        android:textAppearance="@style/TextAppearance.AppCompat.Body1"
        android:visibility="visible"
        app:layout_constraintBottom_toTopOf="@+id/textView3"
        app:layout_constraintStart_toStartOf="@+id/textView" />
    <TextView
        android:id="@+id/textView8"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="@string/titik"
        android:textAppearance="@style/TextAppearance.AppCompat.Body1"
        android:visibility="visible"
        app:layout_constraintBaseline toBaselineOf="@+id/textView13"
        app:layout constraintEnd toStartOf="@+id/textView9"
        app:layout constraintStart toStartOf="@+id/textView9" />
    <TextView
        android:id="@+id/textView6"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout marginTop="10dp"
        android:text=":"
        android:textAppearance="@style/TextAppearance.AppCompat.Body1"
        android:visibility="visible"
        app:layout_constraintEnd_toStartOf="@+id/textView7"
        app:layout constraintStart toStartOf="@+id/textView7"
```

```
app:layout constraintTop toBottomOf="@+id/textView5" />
<TextView
    android:id="@+id/textView14"
    android:layout_width="wrap_content"
    android:layout height="wrap content"
    android:text="bayuprasetyaadjis@gmail.com"
    android:textAppearance="@style/TextAppearance.AppCompat.Body1"
    android: visibility="visible"
    app:layout constraintBaseline toBaselineOf="@+id/textView9"
    app:layout_constraintEnd toEndOf="@+id/textView13"
    app:layout constraintStart toEndOf="@+id/textView13" />
<TextView
   android:id="@+id/textView4"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
   android:layout marginTop="14dp"
   android:text="@string/email"
   android:textAppearance="@style/TextAppearance.AppCompat.Body1"
   android: visibility="visible"
    app:layout_constraintStart_toStartOf="@+id/textView3"
    app:layout constraintTop toBottomOf="@+id/textView3" />
<TextView
   android:id="@+id/textView5"
    android:layout width="wrap content"
   android:layout_height="wrap content"
   android:text=":"
   android:textAppearance="@style/TextAppearance.AppCompat.Body1"
   android:visibility="visible"
    app:layout_constraintBaseline toBaselineOf="@+id/textView10"
    app:layout constraintEnd toStartOf="@+id/textView6"
    app:layout constraintStart toStartOf="@+id/textView6" />
<ImageView</pre>
   android:id="@+id/imageView"
    android:layout width="132dp"
    android:layout height="201dp"
    android:layout marginTop="45dp"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toBottomOf="@+id/textView14"
    app:srcCompat="@drawable/a11 2019 11688" />
<TextView
    android:id="@+id/textView7"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text=":"
    android:textAppearance="@style/TextAppearance.AppCompat.Body1"
    android: visibility="visible"
    app:layout constraintBaseline toBaselineOf="@+id/textView12"
    app:layout constraintEnd toStartOf="@+id/textView8"
    app:layout constraintStart toStartOf="@+id/textView8" />
<TextView
    android:id="@+id/textView"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout marginTop="9dp"
```

```
android:text="@string/nama"
    android:textAppearance="@style/TextAppearance.AppCompat.Body1"
    android: visibility="visible"
    app:layout constraintStart toStartOf="@+id/textView15"
    app:layout_constraintTop toBottomOf="@+id/textView15" />
<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout height="wrap content"
    android:text="@string/no telp"
    android:textAppearance="@style/TextAppearance.AppCompat.Body1"
    android:visibility="visible"
    app:layout_constraintBaseline toBaselineOf="@+id/textView8"
    app:layout_constraintStart toStartOf="@+id/textView2" />
<TextView
   android:id="@+id/textView15"
    android:layout width="wrap content"
   android:layout_height="wrap_content"
   android:layout_marginStart="72dp"
   android:layout_marginTop="112dp"
   android:text="@string/nim"
   android:textAppearance="@style/TextAppearance.AppCompat.Body1"
   android:visibility="visible"
    app:layout_constraintStart_toStartOf="parent"
    app:layout constraintTop toTopOf="parent" />
<TextView
   android:id="@+id/textView11"
    android:layout width="wrap content"
    android:layout height="wrap content"
   android:layout marginStart="8dp"
   android:text="Bayu Prasetya Adji Sugiyarto"
   android:textAppearance="@style/TextAppearance.AppCompat.Body1"
   android:visibility="visible"
    app:layout constraintBaseline toBaselineOf="@+id/textView6"
    app:layout constraintStart toEndOf="@+id/textView6" />
<TextView
   android:id="@+id/textView9"
    android:layout width="wrap content"
    android:layout height="wrap content"
   android:layout marginStart="19dp"
   android:layout marginTop="14dp"
    android:text=":"
    android:textAppearance="@style/TextAppearance.AppCompat.Body1"
    android:visibility="visible"
    app:layout constraintStart toEndOf="@+id/textView3"
    app:layout constraintTop toBottomOf="@+id/textView8" />
<TextView
    android:id="@+id/textView13"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout_marginStart="8dp"
    android:layout marginTop="12dp"
    android:text="087826937473"
    android:textAppearance="@style/TextAppearance.AppCompat.Body1"
    android:visibility="visible"
    app:layout constraintStart toEndOf="@+id/textView8"
```

```
app:layout constraintTop toBottomOf="@+id/textView12" />
<TextView
    android:id="@+id/textView12"
    android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="7dp"
    android:layout marginTop="13dp"
    android:text="Ungaran"
    android:textAppearance="@style/TextAppearance.AppCompat.Body1"
    android:visibility="visible"
    app:layout_constraintStart_toEndOf="@+id/textView7"
    app:layout_constraintTop_toBottomOf="@+id/textView11" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

Hello Toast:



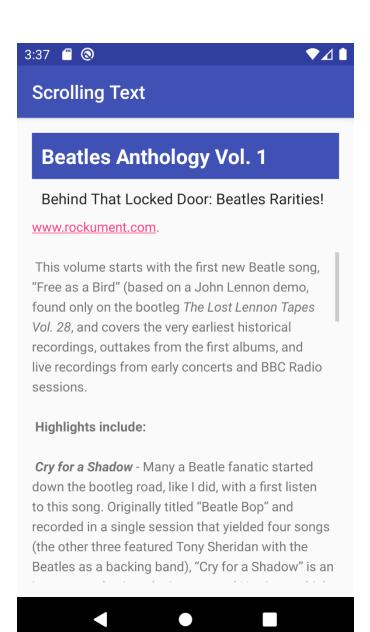
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match parent"
    android: orientation="vertical"
    android:paddingBottom="@dimen/activity vertical margin"
    android:paddingLeft="@dimen/activity horizontal margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context="com.example.android.hellotoast.MainActivity">
    <Button
        android:id="@+id/button toast"
        android:layout width="match parent"
        android: layout height="wrap content"
        android:background="@color/colorPrimary"
        android:onClick="showToast"
        android:text="@string/button label toast"
        android:textColor="@android:color/white"
        />
    <TextView
        android:id="@+id/show count"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:background="@color/myBackgroundColor"
        android:gravity="center"
        android:text="@string/count initial value"
        android: textColor="@color/colorPrimary"
        android:textSize="@dimen/count text size"
        android: textStyle="bold"
        android:layout weight="2"/>
    <Button
        android:id="@+id/button count"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:background="@color/colorPrimary"
        android:onClick="countUp"
        android:text="@string/button label count"
        android:textColor="@android:color/white" />
</LinearLayout>
Java → MainActivity
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.TextView;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    private int mCount = 0;
   private TextView mShowCount;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
```

```
super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    mShowCount = (TextView) findViewById(R.id.show_count);
}

public void countUp(View view) {
    mCount++;
    if (mShowCount != null)
        mShowCount.setText(Integer.toString(mCount));
}

public void showToast(View view) {
    Toast toast = Toast.makeText(this, R.string.toast_button_toast,
Toast.LENGTH_LONG);
    toast.show();
}
```

Scrolling text



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match parent"
    android:paddingBottom="@dimen/activity vertical margin"
    android:paddingLeft="@dimen/activity horizontal margin"
    android:paddingRight="@dimen/activity horizontal margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context="com.example.android.scrollingtext.MainActivity">
    <TextView
        android:layout width="match parent"
        android:layout height="wrap content"
        android:id="@+id/article heading"
        android:background="@color/colorPrimary"
        android:textColor="@android:color/white"
        android:padding="@dimen/padding regular"
        android: textAppearance="@android: style/TextAppearance.Large"
        android:textStyle="bold"
        android:text="@string/article title"/>
    <TextView
        android:layout_width="match_parent"
        android:layout height="wrap content"
        android:id="@+id/article subheading"
        android:layout below="@id/article heading"
        android:padding="@dimen/padding regular"
        android: textAppearance="@android: style/TextAppearance"
        android:text="@string/article subtitle"/>
    <ScrollView
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout below="@id/article subheading">
        <TextView
            android:layout width="wrap content"
            android:layout height="wrap_content"
            android: id="@+id/article"
            android:lineSpacingExtra="@dimen/line spacing"
            android:autoLink="web"
            android:text="@string/article text"/>
    </ScrollView>
</RelativeLayout>
```