

Mata Kuliah : Pemrograman Perangkat Bergerak -TI – S1

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NIM : A11.2019.11688

Pertemuan : 1

Hasil Program :



Hello World!



Layout ➔ activity_main.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: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;

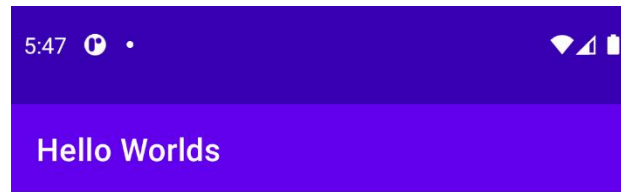
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

Biodata



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Code :

Layout ➔ activity_main.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/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
    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/all_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 :



Layout ➔ activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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: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) {
```

```

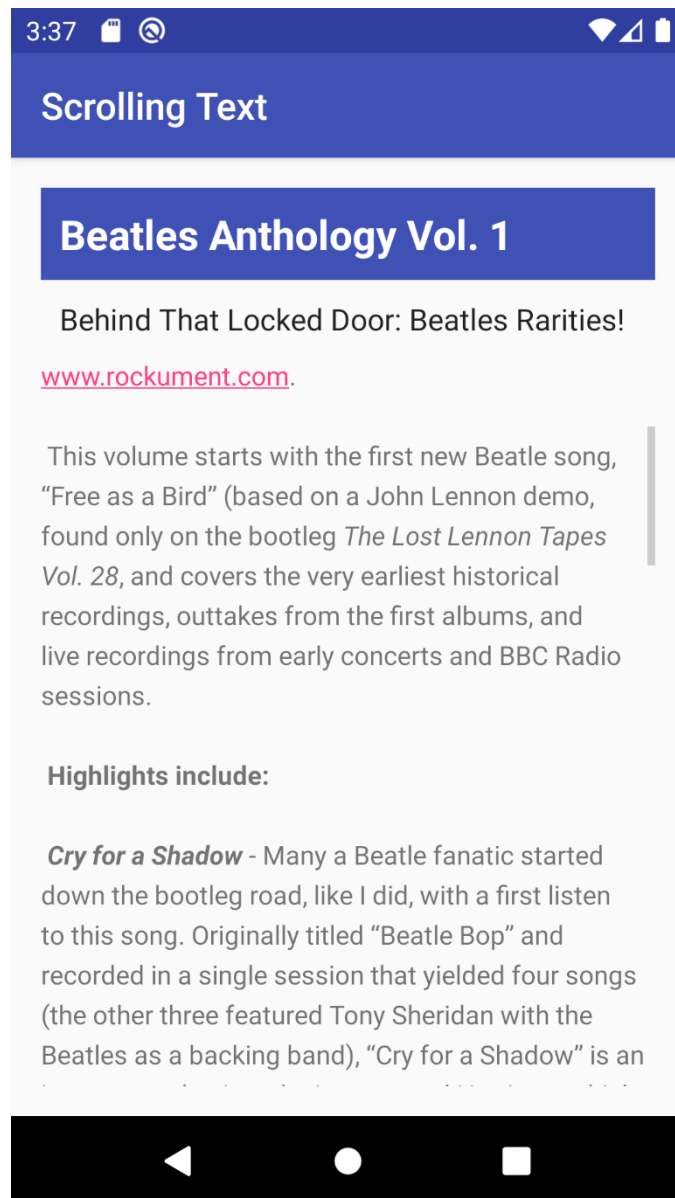
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        mShowCount = (TextView) findViewById(R.id.show_count);
    }

    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



Layout ➔ activity_main.xml

```
<?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>
```