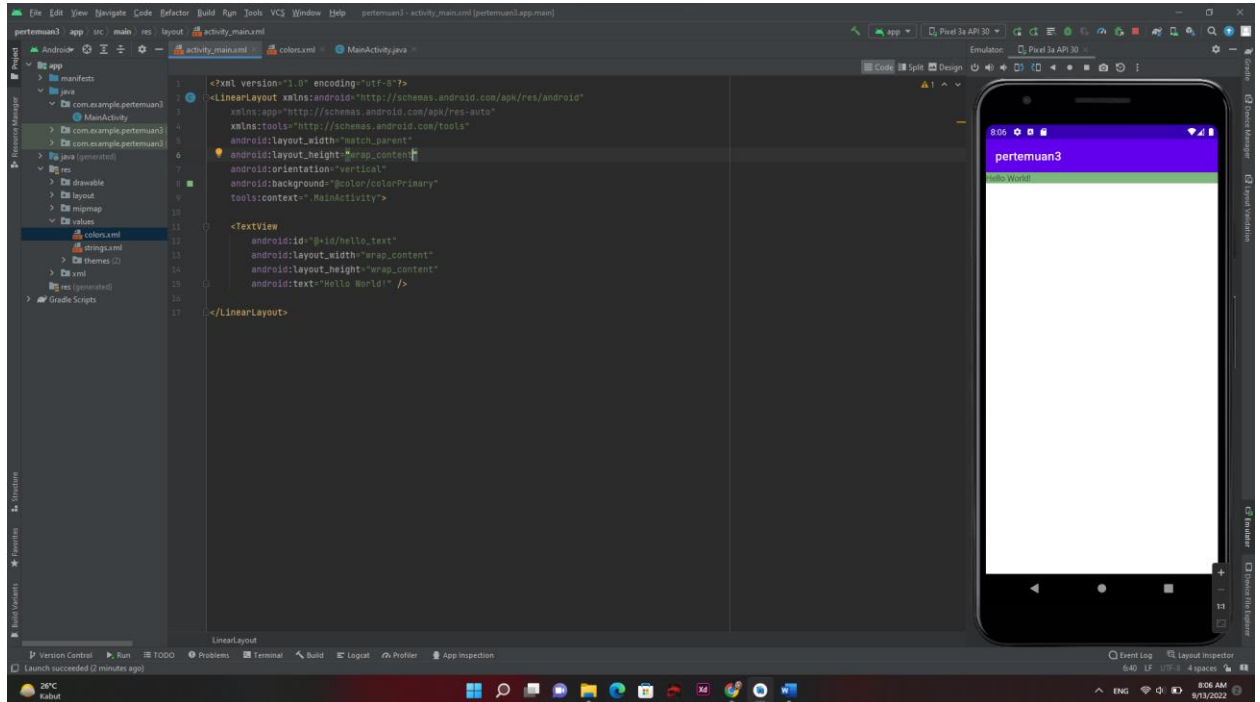


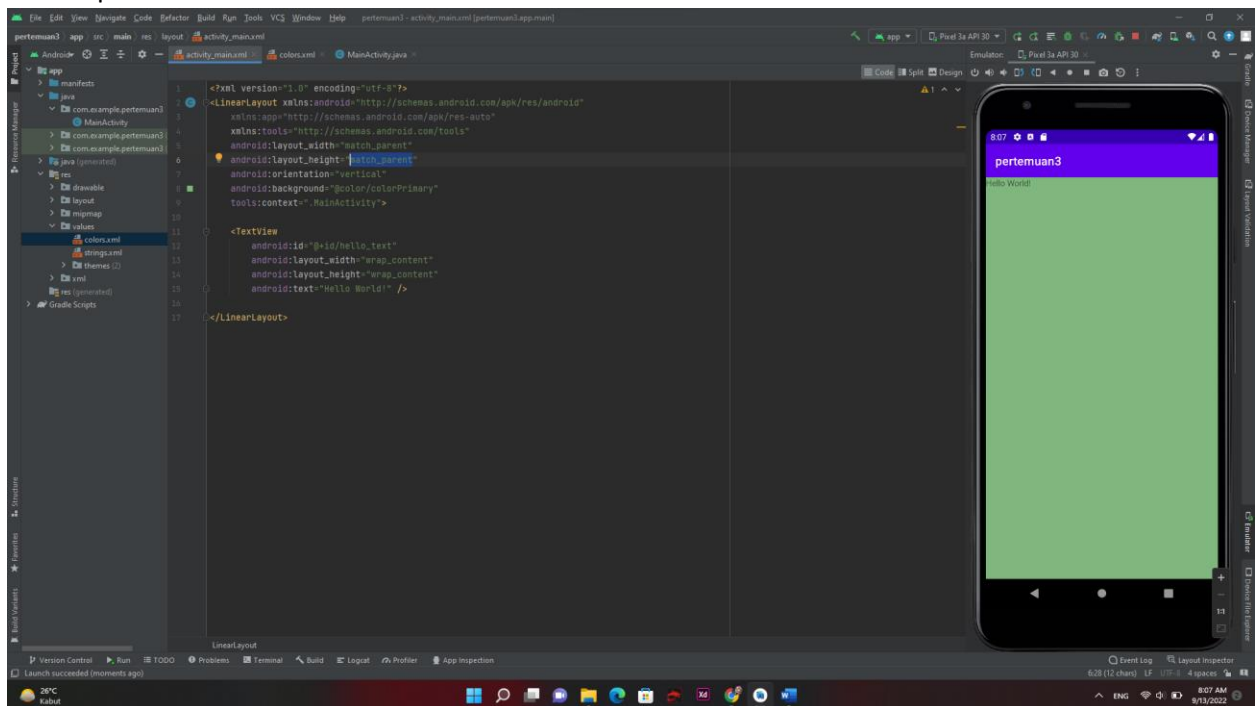
Praktikum 1

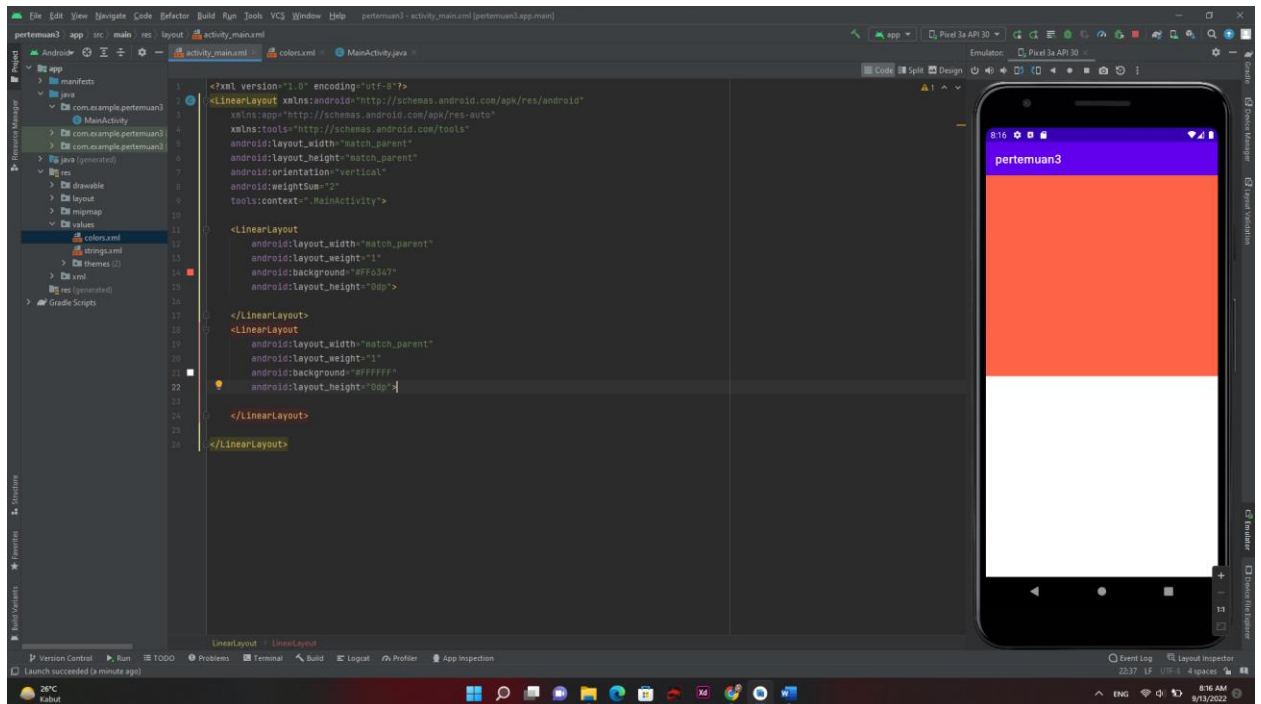
1. Perbedaan dari wrap_content dan match_parent jika **match parent** background akan ia akan mengikuti semua layout, tapi kalau **wrap_content** background akan menyesuaikan dari conten nya(tidak full)

Wrap_content

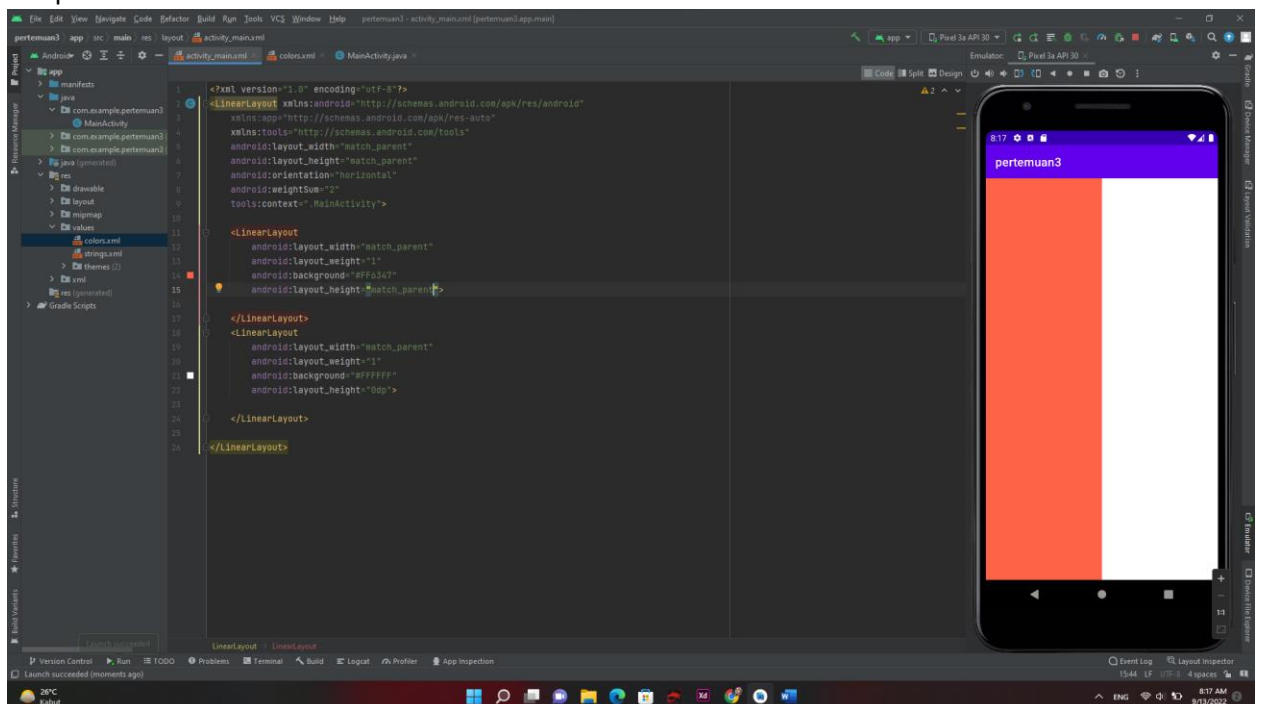


Match parent





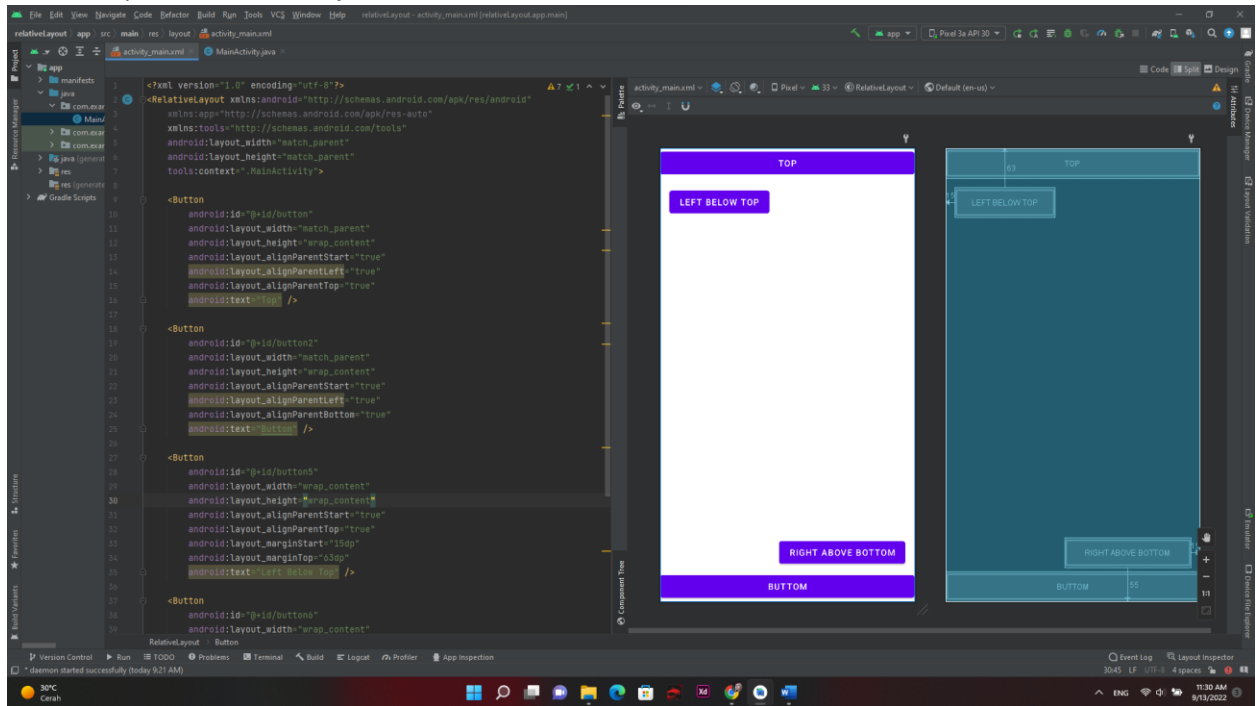
Kalau dirubah horizontal maka layout height harus kita atur jika tidak maka hanya blank yang tampil



2. Berdasar dari percobaan merubah dari merubah orientasi, weigh sum, dan menggtati salah satu layout weight kesimpulan yang saya ambil adalah
 - a. Weight sum itu merupakan pembagian dari tata letak child yang dimiliki linier layout
 - b. Dan layout weight merupakan ukuran dari child pada layar.

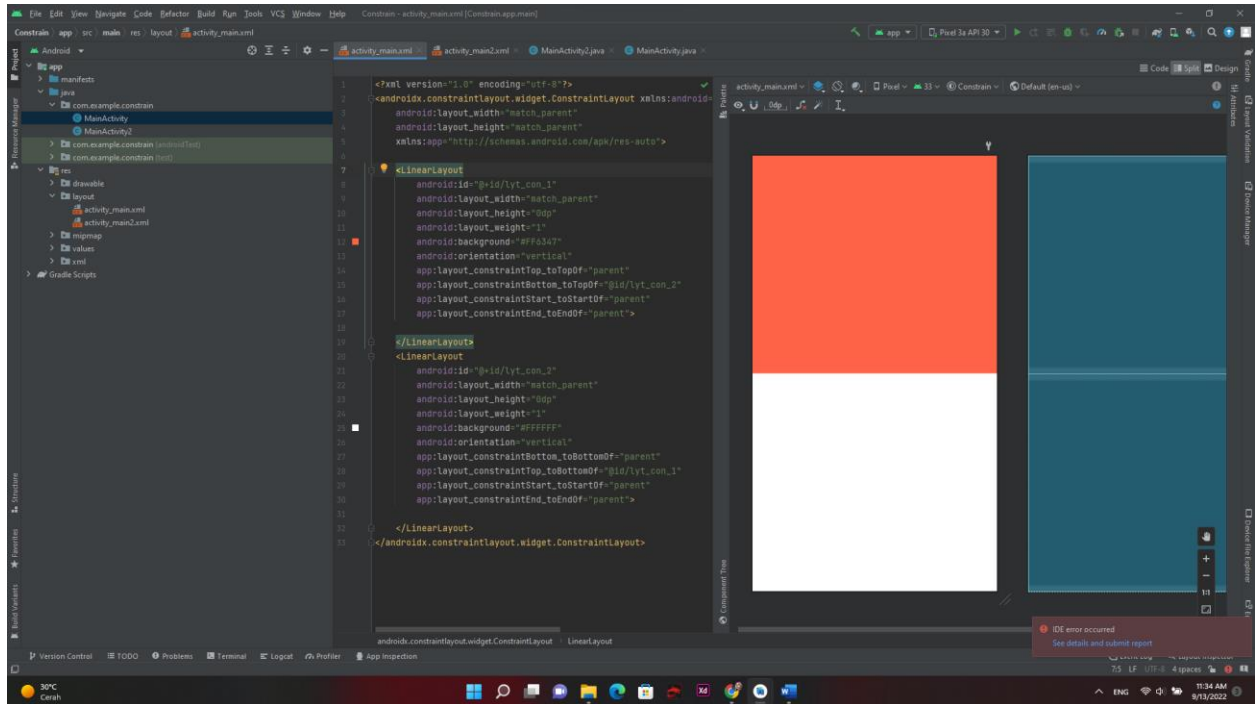
Paktikum 2

1. Hasil dari percobaan sesuai jobsheet

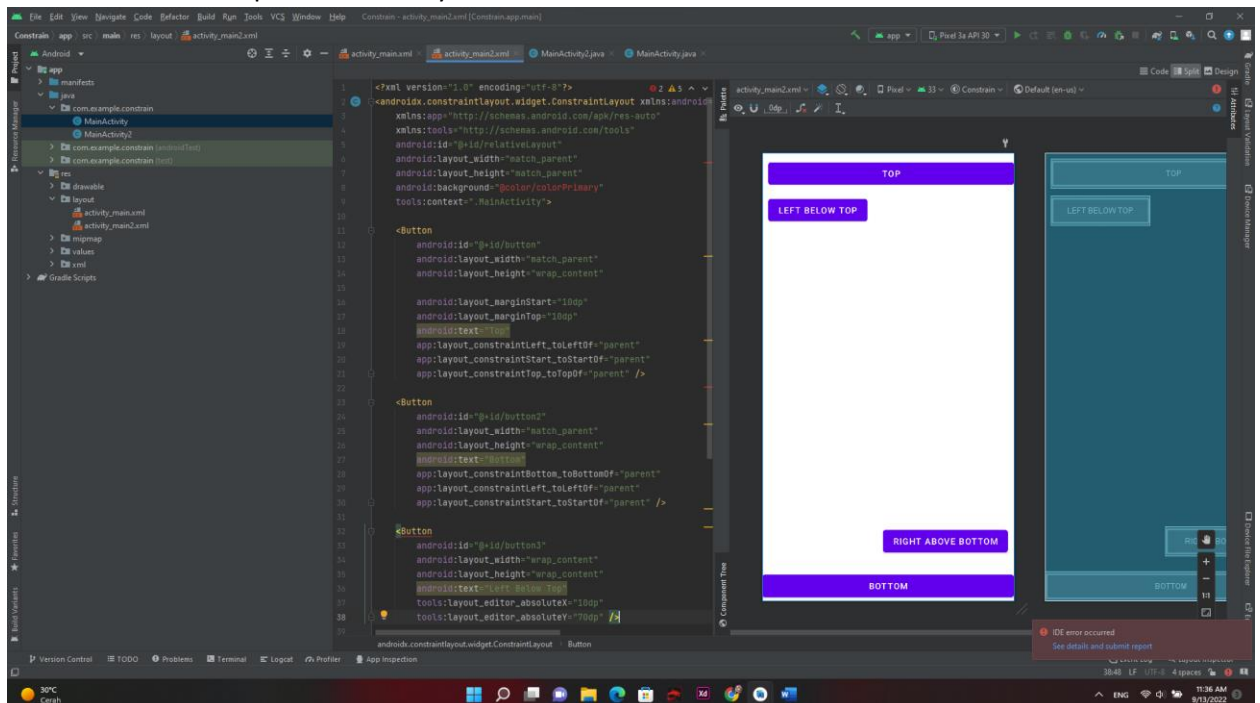


Praktikum 3

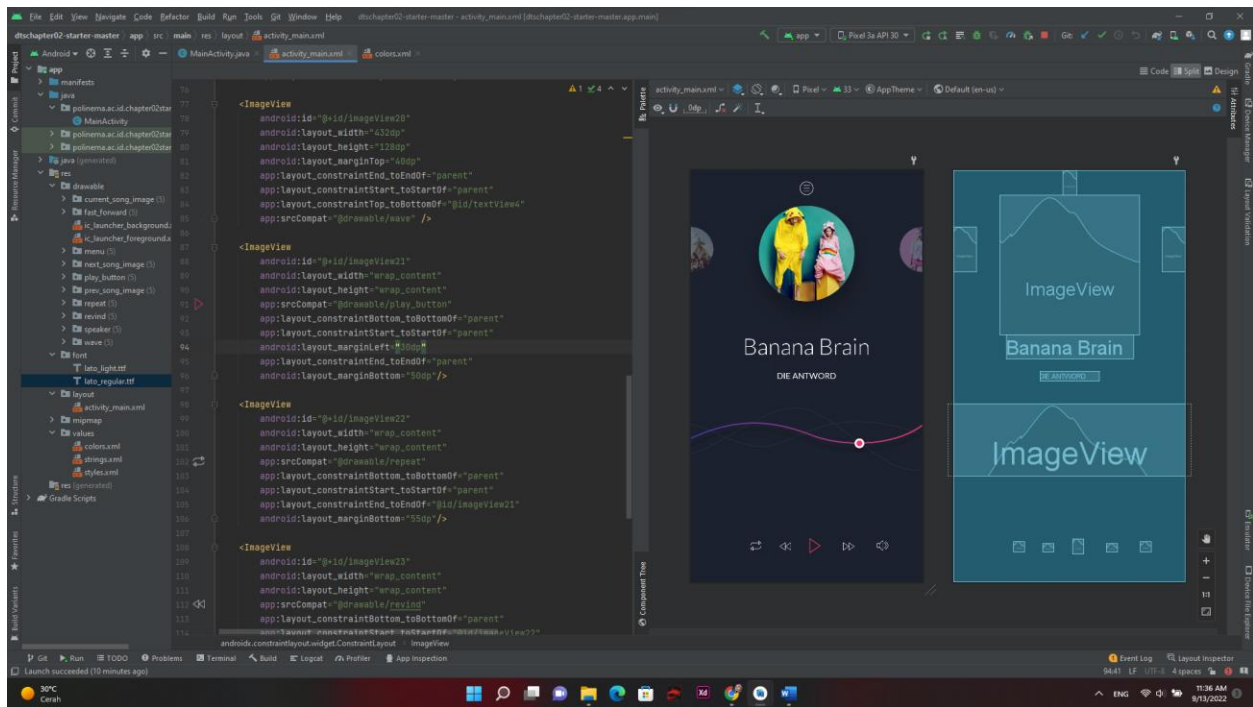
1. Mencoba constraint pada linier layout



2. Mencoba constraint pada relative layout



Tugas Praktikum



Kode

```
<?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"
    android:background="@color/bgColor"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/imageView15"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:srcCompat="@drawable/menu"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:paddingTop="20dp" />

    <ImageView
        android:id="@+id/imageView16"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:srcCompat="@drawable/current_song_image"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toBottomOf="@id/imageView15" />

    <ImageView
        android:id="@+id/imageView17"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:srcCompat="@drawable/next_song_image"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="@id/imageView16"
        app:layout_constraintBottom_toBottomOf="@id/imageView16"
        android:layout_marginBottom="55dp" />

    <ImageView
        android:id="@+id/imageView19"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:srcCompat="@drawable/prev_song_image"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="@id/imageView16"
        app:layout_constraintBottom_toBottomOf="@id/imageView16"
        android:layout_marginBottom="55dp" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
android:layout_height="wrap_content"
    android:text="Banana Brain"
    android:textSize="40dp"
    android:fontFamily="@font/lato_light"
    android:textColor="#FFFFFF"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@id/imageView16" />
```

<TextView

```
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="DIE ANTWORD"
    android:fontFamily="@font/lato_regular"
    android:textColor="#FFFFFF"
    android:textSize="15dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@id/textView3" />
```

<ImageView

```
    android:id="@+id/imageView20"
    android:layout_width="432dp"
    android:layout_height="128dp"
    android:layout_marginTop="40dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/textView4"
    app:srcCompat="@drawable/wave" />
```

<ImageView

```
    android:id="@+id/imageView21"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/play_button"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    android:layout_marginLeft="30dp"
    app:layout_constraintEnd_toEndOf="parent"
    android:layout_marginBottom="50dp" />
```

<ImageView

```
    android:id="@+id/imageView22"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/repeat"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="@id/imageView21"
    android:layout_marginBottom="55dp" />
```

<ImageView

```
    android:id="@+id/imageView23"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/stop" />
```

```
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:srcCompat="@drawable/revind"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintStart_toStartOf="@id/imageView22"
        app:layout_constraintEnd_toEndOf="@id/imageView21"
        android:layout_marginBottom="55dp"/>

        <ImageView
            android:id="@+id/imageView24"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            app:srcCompat="@drawable/fast_forward"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintStart_toStartOf="@id/imageView21"
            app:layout_constraintEnd_toEndOf="@id/imageView25"
            android:layout_marginBottom="55dp"/>

        <ImageView
            android:id="@+id/imageView25"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            app:srcCompat="@drawable/speaker"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintStart_toStartOf="@id/imageView24"
            app:layout_constraintEnd_toEndOf="parent"
            android:layout_marginBottom="55dp"/>

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