

```
    android:layout_height="match_parent"  
    android:background="@color/colorPrimary"  
    tools:context="in.eyehunt.androidbroadcasts.MainActivity">>
```

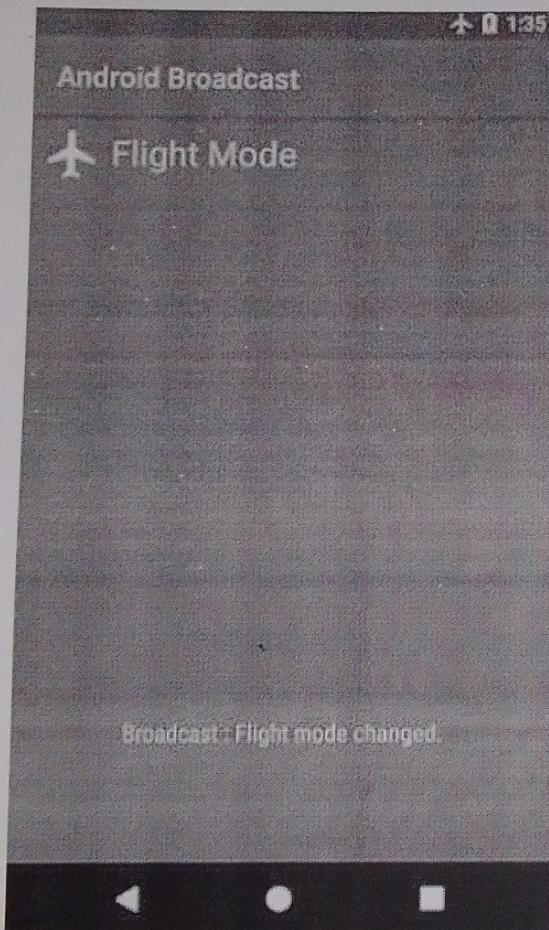
### ✓ <ImageView

```
        android:id="@+id/imageView"  
        android:layout_width="40dp"  
        android:layout_height="40dp"  
        android:layout_margin="8dp"  
        android:layout_marginTop="16dp"  
  
        app:layout_constraintStart_toStartOf="parent"  
        app:layout_constraintTop_toTopOf="parent"  
        app:srcCompat="@mipmap/baseline_airplanemode_active_white_24" />
```

### ✓ <TextView

```
        android:id="@+id/textView"  
        android:layout_width="300dp"  
        android:layout_height="36dp"  
        android:layout_marginEnd="8dp"  
        android:layout_marginStart="8dp"  
        android:gravity="center_vertical"  
        android:text="Flight Mode"  
  
        android:textColor="@color/colorWhite"  
        android:textSize="24dp"  
        app:layout_constraintEnd_toEndOf="parent"
```

</android.support.constraint.ConstraintLayout>



## Create and manage virtual devices:

To open the AVD Manager, do one of the following:

- Select Tools > AVD Manager.
- Click AVD Manager icon in the toolbar.

## PRACTICAL 2

### Programming Resources

Android Resources: (Color, Theme, String, Drawable, Dimension, Image).

#### Color:



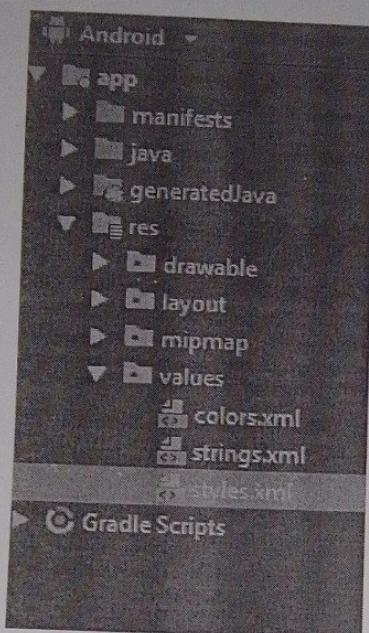
#### Color.xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="colorPrimary">#008577</color>
    <color name="colorPrimaryDark">#00574B</color>
    <color name="colorAccent">#D81B60</color>
</resources>
```

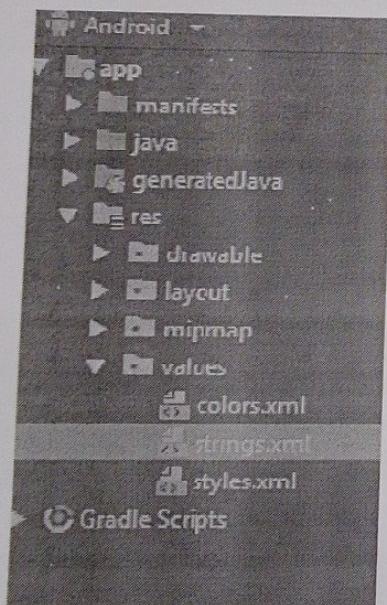
#### Theme:

#### Style.xml

```
<resources>
    <!-- Base application theme. -->
    <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
        <!-- Customize your theme here. -->
        <item name="colorPrimary">@color/colorPrimary</item>
        <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
        <item name="colorAccent">@color/colorAccent</item>
    </style>
</resources>
```



### String:



### String.xml:

```
<resources>
    <string name="app_name">hello</string>
    <string name="numbers">
        <item>1</item>
        <item>2</item>
        <item>3</item>
    </item>
</string>
</resources>
```

Name: Dimpal Suthar

```
super.onCreate(savedInstanceState)
setContentView(R.layout.activity_main)
```

### 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"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:background="@drawable/one">

    <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" />

</LinearLayout>
```

### Output:



Dm  
8/3/25

## PRACTICAL 4

### Programs related to different Layouts

Coordinate, Linear, Relative, Table, Absolute, Frame, List View, Grid View.

#### 1. linear layout:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

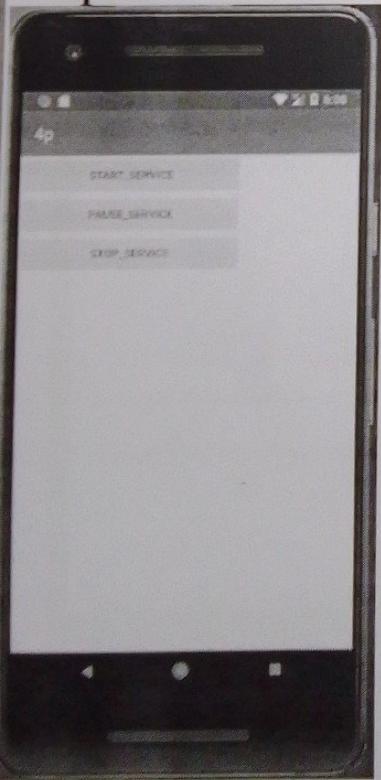
    <Button android:id="@+id/btnStartService"
        android:layout_width="270dp"
        android:layout_height="wrap_content"
        android:text="start_service"/>

    <Button android:id="@+id/btnPauseService"
        android:layout_width="270dp"
        android:layout_height="wrap_content"
        android:text="pause service"/>

    <Button android:id="@+id/btnStopService"
        android:layout_width="270dp"
        android:layout_height="wrap_content"
        android:text="stop_service"/>

</LinearLayout>
```

#### Output:



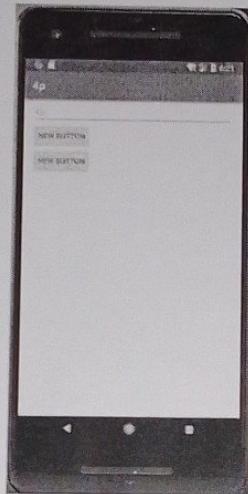
✓ 2. Relative:

```
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_p
    arent"
    android:paddingLeft="16dp"
    android:paddingRight="16dp" >

    <EditText
        android:id="@+id
        /name"
        android:layout_width="fill_p
        arent"
        android:layout_height="wrap_c
        ontent"
        android:hint="@string/reminder
        " />

    <LinearLayout
        android:orientation="vertical"
        android:layout_width="fill_paren
        t"
        android:layout_height="fill_pare
        nt"
        android:layout_alignParentStart=
```

```
<Button  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="New Button"  
    android:id="@+id/button2" />  
</LinearLayout>  
</RelativeLayout>
```

**Output:**

## 3. Table:

## 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"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    tools:context=".MainActivity">  
  
<TableLayout android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginLeft="50dp"  
    android:layout_marginTop="150dp">  
    <TableRow>  
        <Button  
            android:id="@+id/btn1"  
            android:text="1"  
            android:layout_gravity="center"  
        />  
        <Button  
            android:id="@+id/btn2"  
            android:text="2"  
            android:layout_gravity="center"  
        />  
        <Button  
            android:id="@+id/btn3"  
            android:text="3"  
            android:layout_gravity="center"  
        />  
    </TableRow>          <TableRow>
```

```
override fun onCreate(savedInstanceState: Bundle?) {
    super.onCreate(savedInstanceState)
    setContentView(R.layout.activity_main)

    btn.setOnClickListener {
        val intent = Intent(this, list_view::class.java)
        startActivity(intent)
    }
}
```

## Output



## 6. Grid layout:

```
7. <?xml version="1.0" encoding="utf-8"?>
<GridLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:rowCount="3"
    android:columnCount="3"
    android:padding="20dp">

    <Button
        android:layout_width="110dp"
        android:layout_height="100dp"
        android:text="1"/>

    <Button
        android:layout_width="110dp"
        android:layout_height="100dp"
        android:text="2"/>

    <Button
        android:layout_width="110dp"
        android:layout_height="100dp"
        android:text="3"/>
```