Experiment1.3

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Subject Name: Mobile Application Development Lab
Subject Code: 20CSP-356

Aim: Understanding and analyze the specific requirements, possibilities and challenges when developing for a mobile application context.

Objective: To design an android application to open another activity using button and demonstrate working of widget.

Script and Output:

Step 1- First step is to create a simple Android Application using Android studio. When you click on Android studio icon, it will show screen as shown below.

Step 2- You can start your application development by calling start a new android studio project. in a new installation frame should ask Application name, package information and location of the project.

Step 3- Create the application development for activity 1, then we are going to do some changes to it as followed.

Step 4- Create another application that will be myactivity 2 and what we actually are doing is that triggering activity 2 from activity 1.

Step 5- Make changes to the myactivity xml code replacing the constraint layout with relative layout and changing the name on the button view.

Step 6- Copy the same code and paste it in myactivity2.

Step 7- Run the code and also you can try to add a widget to it.

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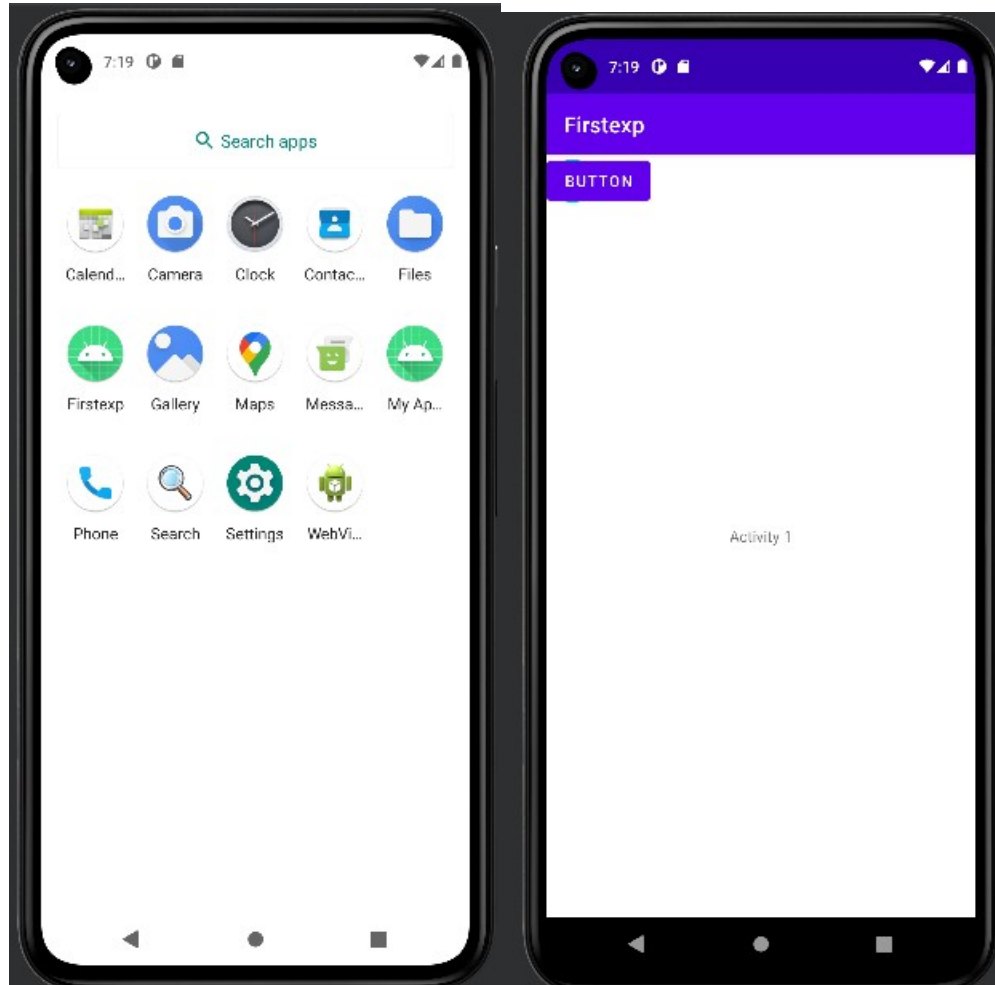Discover. Learn. Empower.

Source Code-

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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="Activity 1"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.476"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.33"
        android:layout_centerVertical="true"
        android:layout_centerHorizontal="true"
        />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Button"
        tools:layout_editor_absoluteX="148sp"
        tools:layout_editor_absoluteY="300sp" />

    <ProgressBar
        android:id="@+id/progressBar"
        style="?android:attr/progressBarStyle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" />

</RelativeLayout>
```

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