



Experiment1.3

Student Name: Himanshu

UID: 20BCS7944

Branch: CSE

Section/Group: 905/A

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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.

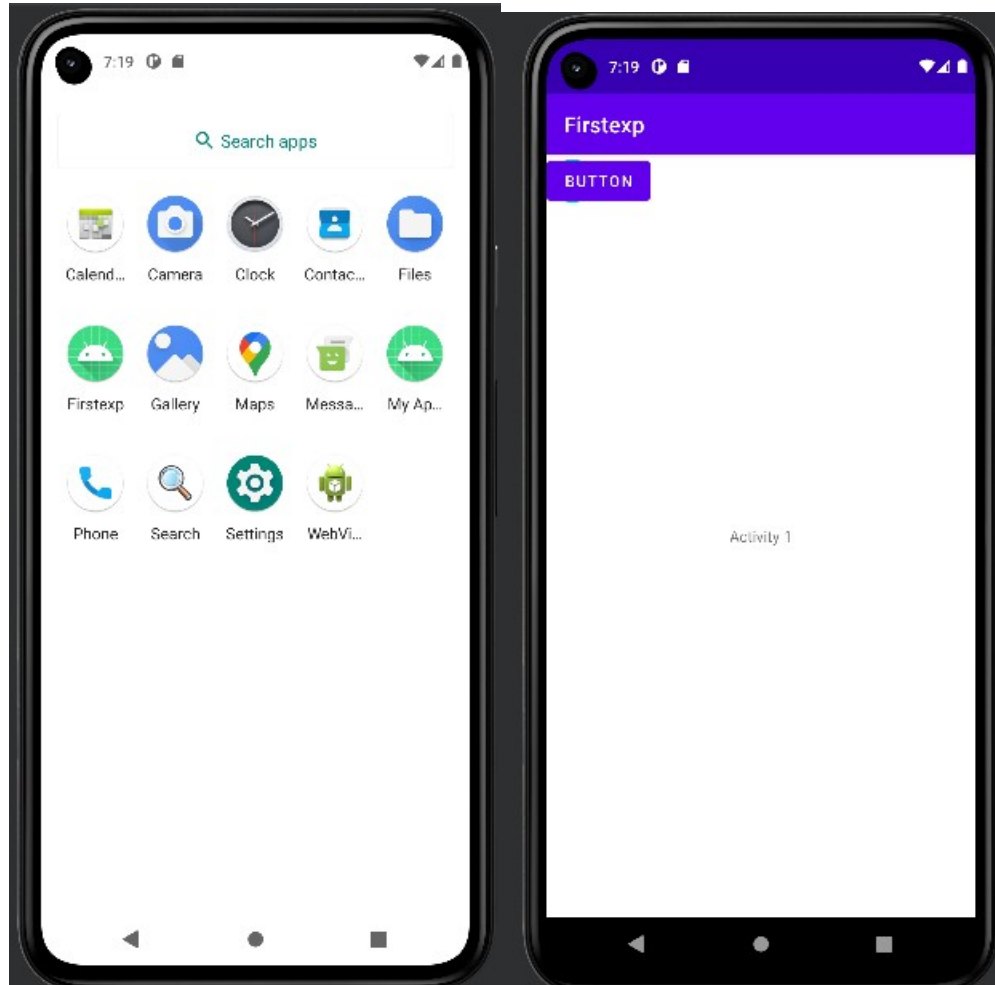
Source Code-

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      tools:context=".MainActivity">
8
9      <TextView
10         android:layout_width="wrap_content"
11         android:layout_height="wrap_content"
12         android:text="Activity 1"
13         app:layout_constraintBottom_toBottomOf="parent"
14         app:layout_constraintEnd_toEndOf="parent"
15         app:layout_constraintHorizontal_bias="0.476"
16         app:layout_constraintStart_toStartOf="parent"
17         app:layout_constraintTop_toTopOf="parent"
18         app:layout_constraintVertical_bias="0.33"
19         android:layout_centerVertical="true"
20         android:layout_centerHorizontal="true"
21     />
22
23     <Button
24         android:id="@+id/button"
25         android:layout_width="wrap_content"
26         android:layout_height="wrap_content"
27         android:text="Button"
28         tools:layout_editor_absoluteX="148sp"
29         tools:layout_editor_absoluteY="300sp" />
30
31     <ProgressBar
32         android:id="@+id/progressBar"
33         style="?android:attr/progressBarStyle"
34         android:layout_width="wrap_content"
35         android:layout_height="wrap_content" />
36
37 </RelativeLayout>
```



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