[**Homework#3**](https://bb-csuohio.blackboard.com/webapps/assignment/uploadAssignment?content_id=_6362371_1&course_id=_168060_1&group_id=&mode=view)

Develop a notepad app with custom keypad:

* Top fragment: display the note entered
* Bottom fragment: display several rows of letters, numbers, and symbols (each as a button) for text input; when a user pushes a button, the corresponding input is appended in the top fragment

Solution:

In bottom fragment xml, I have added 3 Linear layout bar with 5 buttons each for letters, numbers and symbols and linked with java code.

Code for layout of bottom fragment:

<LinearLayout  
 android:id="@+id/linearLayout2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="72dp"  
 android:layout\_marginTop="8dp"  
 android:orientation="horizontal"  
 android:layout\_margin="8dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/linearLayout1">

Code for buttons:

<Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:id="@+id/btn15"  
 android:layout\_margin="8dp"  
 android:text="A"/>

Similarly in top fragment xml, here all the selected text, number or symbol will be displayed.

<TextView  
 android:id="@+id/textViewTopFrag"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="32dp"  
 android:layout\_marginEnd="32dp"  
 android:inputType="textMultiLine"  
 android:text="Top Fragment"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />

Screenshots:

A screenshot of a cell phone

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