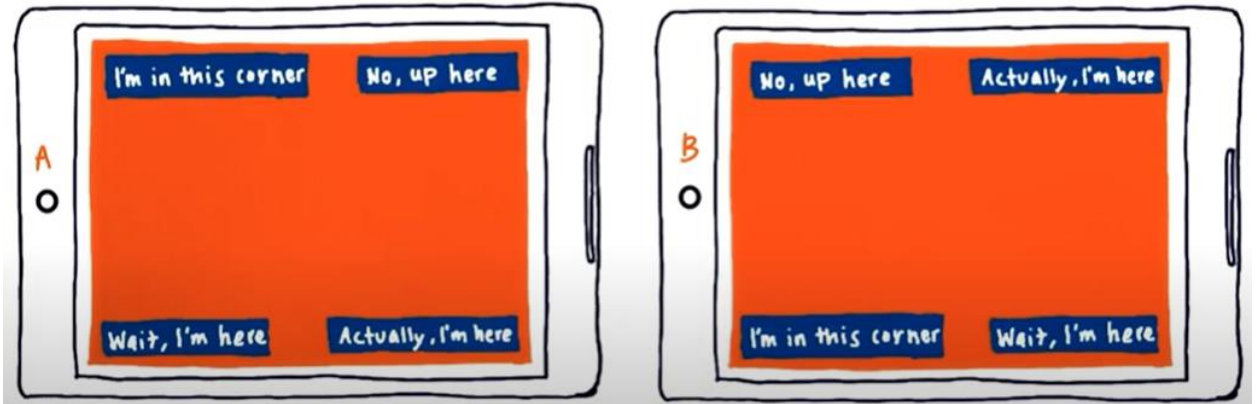


Практична робота 2. Android-visualizer XML

Завдання 1. Є код, який правильний варіант (A or B) його виконання



```
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="16dp">

    <TextView
        android:textAppearance="?android:textAppearanceLarge"
        android:text="I'm this corner"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_alignParentBottom="true"/>

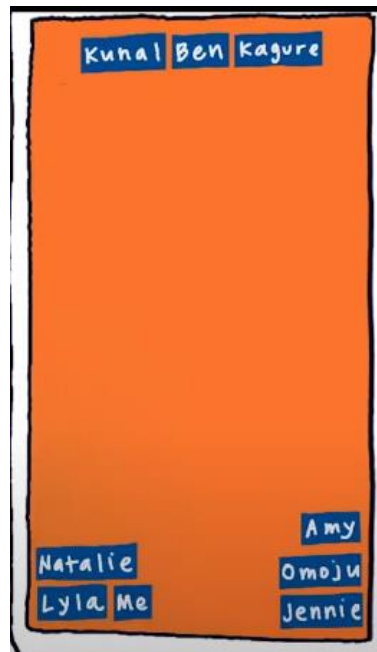
    <TextView
        android:textAppearance="?android:textAppearanceLarge"
        android:text="No, up here"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentLeft="true" />

    <TextView
        android:textAppearance="?android:textAppearanceLarge"
        android:text="Wait? I'm here"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_alignParentRight="true" />

    <TextView
        android:textAppearance="?android:textAppearanceLarge"
        android:text="Actually, I'm here"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentRight="true" />

</RelativeLayout>
```

Завдання 2. Скод з не вірним розташуванням елементів. Зробити за зразком <https://sovmsvom.github.io/-visualizer/#!/android/relative-layout-view-ids>



XML Layout Code

UNDO REDO Code has been saved RESET CODE

```
1 <RelativeLayout
2   xmlns:android="http://schemas.android.com/apk/res/android"
3   android:layout_width="match_parent"
4   android:layout_height="match_parent">
5
6   <TextView
7     android:id="@+id/lyla_text_view"
8     android:layout_width="wrap_content"
9     android:layout_height="wrap_content"
10    android:layout_alignParentBottom="true"
11    android:layout_alignParentLeft="true"
12    android:textSize="24sp"
13    android:text="Lyla" />
14
15   <TextView
16     android:id="@+id/me_text_view"
17     android:layout_width="wrap_content"
18     android:layout_height="wrap_content"
19     android:layout_alignParentBottom="true"
20     android:layout_toRightOf="@id/lyla_text_view"
21     android:textSize="24sp"
22     android:text="Me" />
23
24   <TextView
25     android:id="@+id/natalie_text_view"
26     android:layout_width="wrap_content"
27     android:layout_height="wrap_content"
28     android:textSize="24sp"
29     android:text="Natalie" />
30
31   <TextView
32     android:id="@+id/jennie_text_view"
33     android:layout_width="wrap_content"
```

```
<RelativeLayout
  xmlns:android="http://schemas.android.com/apk/res/android"
  android:layout_width="match_parent"
  android:layout_height="match_parent">

  <TextView
    android:id="@+id/lyla_text_view"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_alignParentLeft="true"
```

```
android:textSize="24sp"  
android:text="Lyla" />
```

```
<TextView  
    android:id="@+id/me_text_view"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentBottom="true"  
    android:layout_toRightOf="@id/lyla_text_view"  
    android:textSize="24sp"  
    android:text="Me" />
```

```
<TextView  
    android:id="@+id/natalie_text_view"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:textSize="24sp"  
    android:text="Natalie" />
```

```
<TextView  
    android:id="@+id/jennie_text_view"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentBottom="true"  
    android:layout_alignParentRight="true"  
    android:textSize="24sp"  
    android:text="Jennie" />
```

```
<TextView  
    android:id="@+id/omoju_text_view"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentRight="true"  
    android:layout_above="@id/jennie_text_view"  
    android:textSize="24sp"  
    android:text="Omoju" />
```

```
<TextView  
    android:id="@+id/amy_text_view"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentBottom="true"  
    android:layout_toLeftOf="@id/jennie_text_view"  
    android:textSize="24sp"  
    android:text="Amy" />
```

```
<TextView  
    android:id="@+id/ben_text_view"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentTop="true"  
    android:layout_centerHorizontal="true"  
    android:textSize="24sp"  
    android:text="Ben" />
```

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

```

android:layout_alignParentTop="true"
android:layout_toLeftOf="@id/ben_text_view"
android:textSize="24sp"
android:text="Kunal" />

```

```

<TextView
    android:id="@+id/kagure_text_view"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_alignParentRight="true"
    android:textSize="24sp"
    android:text="Kagure" />

```

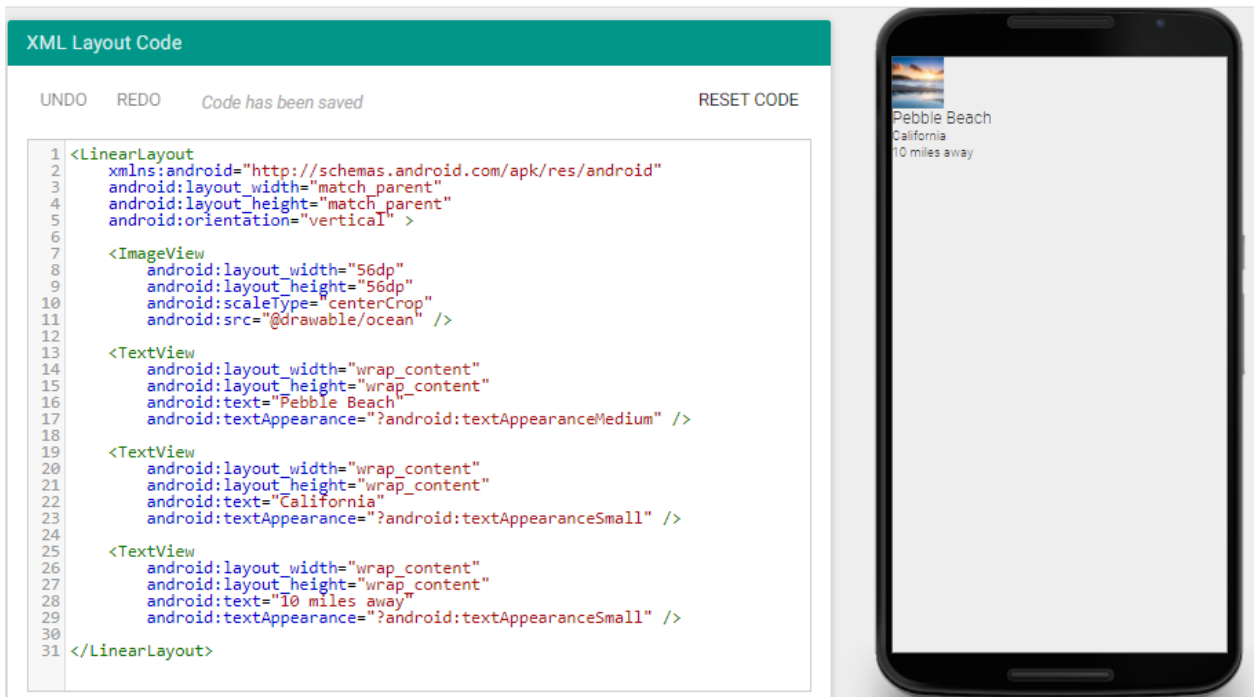
```

</RelativeLayout>

```

Завдання 3. Є код. Зробити за зразком (замінити LinearLayout RelativeLayout)

<https://sovmsvom.github.io/-visualizer/#!/android/relative-layout-list-item>



The image shows a code editor with the following XML code:

```

1 <LinearLayout
2   xmlns:android="http://schemas.android.com/apk/res/android"
3   android:layout_width="match_parent"
4   android:layout_height="match_parent"
5   android:orientation="vertical" >
6
7   <ImageView
8     android:layout_width="56dp"
9     android:layout_height="56dp"
10    android:scaleType="centerCrop"
11    android:src="@drawable/ocean" />
12
13  <TextView
14    android:layout_width="wrap_content"
15    android:layout_height="wrap_content"
16    android:text="Pebble Beach"
17    android:textAppearance="?android:textAppearanceMedium" />
18
19  <TextView
20    android:layout_width="wrap_content"
21    android:layout_height="wrap_content"
22    android:text="California"
23    android:textAppearance="?android:textAppearanceSmall" />
24
25  <TextView
26    android:layout_width="wrap_content"
27    android:layout_height="wrap_content"
28    android:text="10 miles away"
29    android:textAppearance="?android:textAppearanceSmall" />
30
31 </LinearLayout>

```

The preview on the right shows a smartphone screen with the following content:

- Image of a beach (Pebble Beach)
- Pebble Beach
- California
- 10 miles away



```

<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >

    <ImageView
        android:layout_width="56dp"
        android:layout_height="56dp"
        android:scaleType="centerCrop"
        android:src="@drawable/ocean" />

```

```

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Pebble Beach"
    android:textAppearance="?android:textAppearanceMedium" />
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="California"
    android:textAppearance="?android:textAppearanceSmall" />
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="10 miles away"
    android:textAppearance="?android:textAppearanceSmall" />
</LinearLayout>

```

Завдання 4. Модифікувати XML код, що отримати таку розмітку

<https://sovmsvm.github.io/-visualizer/#!/android/padding-and-margin>

XML Layout Code


UNDO REDO *Code has been saved* RESET CODE

```

1 <LinearLayout
2   xmlns:android="http://schemas.android.com/apk/res/android"
3   android:layout_width="match_parent"
4   android:layout_height="match_parent"
5   android:paddingLeft="16dp"
6   android:paddingRight="16dp"
7   android:paddingTop="16dp"
8   android:paddingBottom="16dp"
9   android:orientation="vertical">
10
11   <ImageView
12     android:src="@drawable/ocean"
13     android:layout_width="match_parent"
14     android:layout_height="0dp"
15     android:layout_weight="1"
16     android:scaleType="centerCrop"
17     android:layout_marginBottom="8dp" />
18
19   <TextView
20     android:text="You're invited!"
21     android:layout_width="match_parent"
22     android:layout_height="wrap_content"
23     android:textColor="@android:color/white"
24     android:textSize="45sp"
25     android:background="#009688"/>
26
27   <TextView

```

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```

<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="16dp"
    android:paddingRight="16dp"
    android:paddingTop="16dp"
    android:paddingBottom="16dp"
    android:orientation="vertical">

    <ImageView
        android:src="@drawable/ocean"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="1"
        android:scaleType="centerCrop"
        android:layout_marginBottom="8dp" />

    <TextView
        android:text="You're invited!"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textColor="@android:color/white"
        android:textSize="45sp"
        android:background="#009688"/>

    <TextView
        android:text="Bonfire at the beach"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textColor="@android:color/white"
        android:textSize="24sp"
        android:background="#009688"/>

</LinearLayout>

```

Список використаних джерел

1. Android XML Visualizer. URL: <https://sovmsvom.github.io/-visualizer>
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