

Ahsanullah University of Science and Technology



Department of Computer Science and Engineering
Spring 2022

Program: Bachelor of Science in Computer Science and Engineering

Course No: CSE2200

Course Title: Software Development - |||

Assignment No: 01

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Submitted to

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Question: Write necessary codes for the following design.



Solution:

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"
android:background="#FA867E"
tools:context=".MainActivity">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="180dp"
        android:layout_height="250dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
```

```
app:layout_constraintHorizontal_bias="0.96"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.235"  
app:srcCompat="@drawable/pic1" />
```

<ImageView

```
android:id="@+id/imageView2"  
android:layout_width="180dp"  
android:layout_height="250dp"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.039"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.227"  
app:srcCompat="@drawable/pic2" />
```

<TextView

```
android:id="@+id/textView"  
android:layout_width="366dp"  
android:layout_height="75dp"  
android:fontFamily="sans-serif-light"  
android:gravity="center"  
android:text="Android Lab"  
android:textColor="#000000"  
android:textSize="50dp"  
android:textStyle="bold"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.488"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.024" />
```

<TextView

```
android:id="@+id/textView2"  
android:layout_width="393dp"  
android:layout_height="75dp"  
android:fontFamily="sans-serif-thin"  
android:gravity="center"  
android:text="ARIGATO SAYONARA"  
android:textColor="#000000"  
android:textSize="25dp"  
android:textStyle="bold"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.954" />
```

<Button

```
android:id="@+id/button1"  
android:layout_width="120dp"  
android:layout_height="65dp"  
android:background="#9861FA"
```

```
    android:text="BUTTON 1"
    android:textSize="16dp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toStartOf="@+id/button2"
    app:layout_constraintHorizontal_bias="0.628"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.615" />
```

<Button

```
    android:id="@+id/button2"
    android:layout_width="120dp"
    android:layout_height="65dp"
    android:background="#57D1E1"
    android:text="BUTTON 2"
    android:textSize="15dp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.532"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.615" />
```

<Button

```
    android:id="@+id/button3"
    android:layout_width="120dp"
    android:layout_height="65dp"
    android:background="#F3C94E"
    android:text="BUTTON 3"
    android:textSize="15dp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.969"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.615" />
```

<Button

```
    android:id="@+id/button4"
    android:layout_width="120dp"
    android:layout_height="65dp"
    android:background="#F3BFBB"
    android:text="BUTTON 4"
    android:textSize="15dp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toStartOf="@+id/button5"
    app:layout_constraintHorizontal_bias="0.135"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/button1"
    app:layout_constraintVertical_bias="0.062" />
```

<Button

```
        android:id="@+id/button5"
        android:layout_width="120dp"
        android:layout_height="65dp"
        android:layout_marginTop="12dp"
        android:background="#EA4D82"
        android:text="BUTTON 5"
        android:textSize="15dp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.969"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/button3"
        app:layout_constraintVertical_bias="0.0" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

strings.xml

```
<resources>
    <string name="app_name">Assiignment1</string>
</resources>
```

MainActivity.java

```
package com.example.assignment;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```