**1.File Name:** 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" tools:context=".MainActivity">

<TextView android:id="@+id/textView" android:layout\_width="113dp" android:layout\_height="0dp" android:layout\_marginTop="286dp"

android:layout\_marginBottom="30dp" android:text="Hello World!" app:layout\_constraintBottom\_toTopOf="@+id/button" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.419" />

<Button

android:id="@+id/button" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_marginStart="11dp" android:layout\_marginBottom="37dp" android:text="Increase Size"

app:layout\_constraintBottom\_toTopOf="@+id/button2" app:layout\_constraintStart\_toStartOf="@+id/textView" app:layout\_constraintTop\_toBottomOf="@+id/textView" />

<Button

android:id="@+id/button2" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_marginBottom="233dp" android:text="Color change" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintStart\_toStartOf="@+id/button" app:layout\_constraintTop\_toBottomOf="@+id/button" />

</androidx.constraintlayout.widget.ConstraintLayout>

**2.File Name:** 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" tools:context=".MainActivity">

<RelativeLayout android:id="@+id/relativeLayout" android:layout\_width="368dp" android:layout\_height="495dp" android:layout\_marginStart="8dp" android:layout\_marginTop="8dp" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent">

<LinearLayout android:id="@+id/linearLayout"

android:layout\_width="match\_parent" android:layout\_height="40dp" android:layout\_alignParentTop="true" android:layout\_centerHorizontal="true" android:layout\_marginTop="28dp" android:orientation="vertical" android:visibility="visible">

<TextView android:id="@+id/textView"

android:layout\_width="match\_parent" android:layout\_height="40dp"

android:text="Layout Manager Event Listener"

android:textAlignment="center" android:textColor="@color/black" android:textSize="24sp" />

</LinearLayout>

<LinearLayout android:id="@+id/linearLayout2" android:layout\_width="match\_parent" android:layout\_height="50dp" android:layout\_below="@+id/linearLayout" android:layout\_alignParentStart="true" android:layout\_marginStart="11dp" android:layout\_marginTop="23dp" android:orientation="horizontal">

<Button

android:id="@+id/b1" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_weight="1" android:text="RED" />

<Button

android:id="@+id/b2" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_weight="1" android:text="GREEN" />

<Button

android:id="@+id/b3" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_weight="1" android:text="BLUE" />

</LinearLayout>

<ListView

android:id="@+id/l" android:layout\_width="match\_parent" android:layout\_height="200dp" android:layout\_alignParentEnd="true" android:layout\_centerVertical="true" />

<LinearLayout android:layout\_width="match\_parent" android:layout\_height="50dp" android:layout\_alignStart="@+id/linearLayout2" android:layout\_alignParentBottom="true" android:layout\_marginStart="110dp" android:layout\_marginBottom="52dp" android:orientation="vertical">

<Spinner android:id="@+id/s"

android:layout\_width="match\_parent" android:layout\_height="50dp" android:visibility="visible" />

</LinearLayout>

</RelativeLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

**3.File Name:** 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="wrap\_content" android:layout\_height="wrap\_content" tools:context=".MainActivity">

<RelativeLayout android:id="@+id/relativeLayout2" android:layout\_width="368dp" android:layout\_height="495dp" android:layout\_marginStart="8dp" android:layout\_marginTop="8dp" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent">

<ImageView android:id="@+id/imageView" android:layout\_width="match\_parent" android:layout\_height="429dp"

app:srcCompat="@android:drawable/arrow\_down\_float" />

</RelativeLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

**4.File Name:** 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" tools:context=".MainActivity">

<RelativeLayout android:id="@+id/relativeLayout" android:layout\_width="368dp" android:layout\_height="495dp" android:layout\_marginStart="8dp" android:layout\_marginTop="8dp" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent">

<ImageView android:id="@+id/i" android:layout\_width="300dp"

android:layout\_height="300dp" android:layout\_alignParentTop="true" android:layout\_centerHorizontal="true" />

<Button

android:id="@+id/b1" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_alignBaseline="@+id/b2" android:layout\_alignStart="@+id/i" android:layout\_alignBottom="@+id/b2" android:text="LOAD IMAGE 1" />

<Button

android:id="@+id/b2" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_alignParentEnd="true" android:layout\_alignParentBottom="true" android:layout\_marginEnd="18dp" android:layout\_marginBottom="54dp" android:text="LOAD IMAGE 2" tools:layout\_editor\_absoluteX="235dp" tools:layout\_editor\_absoluteY="385dp" />

</RelativeLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

**5.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"   
    tools:context=".MainActivity">   
   
    <RelativeLayout   
        android:id="@+id/relativeLayout"   
        android:layout\_width="368dp"   
        android:layout\_height="495dp"   
        android:layout\_marginStart="8dp"   
        android:layout\_marginTop="8dp"   
        app:layout\_constraintStart\_toStartOf="parent"   
        app:layout\_constraintTop\_toTopOf="parent">   
   
        <TextView   
            android:id="@+id/f1"   
            android:layout\_width="wrap\_content"   
            android:layout\_height="wrap\_content"   
            android:layout\_alignStart="@+id/b1"   
            android:layout\_alignParentTop="true"   
            android:layout\_marginTop="65dp"   
            android:text="FirstName" />   
   
        <TextView   
            android:id="@+id/l1"   
android:layout\_width="wrap\_content"   
            android:layout\_height="wrap\_content"   
            android:layout\_below="@+id/e1"   
            android:layout\_alignStart="@+id/f1"   
            android:layout\_marginTop="16dp"   
            android:text="LastName" />   
   
        <TextView   
            android:id="@+id/m1"   
            android:layout\_width="wrap\_content"   
            android:layout\_height="wrap\_content"   
            android:layout\_below="@+id/e2"   
            android:layout\_alignStart="@+id/b1"   
            android:layout\_marginTop="19dp"   
            android:text="MailId" />   
   
        <EditText   
            android:id="@+id/e1"   
            android:layout\_width="wrap\_content"   
            android:layout\_height="wrap\_content"   
            android:layout\_alignTop="@+id/f1"   
            android:layout\_alignParentEnd="true"   
            android:layout\_marginEnd="24dp"   
            android:ems="10"   
            android:inputType="textPersonName" />   
   
        <EditText   
            android:id="@+id/e2"   
            android:layout\_width="wrap\_content"   
            android:layout\_height="wrap\_content"   
            android:layout\_alignStart="@+id/e1"   
            android:layout\_alignTop="@+id/l1"   
            android:ems="10"   
            android:inputType="textPersonName" />   
   
        <EditText   
            android:id="@+id/e3"   
            android:layout\_width="wrap\_content"   
            android:layout\_height="wrap\_content"   
            android:layout\_alignStart="@+id/e2"   
            android:layout\_alignTop="@+id/m1"   
            android:ems="10"   
            android:inputType="textPersonName" />   
   
        <Button   
            android:id="@+id/b1"   
            android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"   
            android:layout\_below="@+id/m1"   
            android:layout\_marginTop="52dp"   
            android:layout\_toStartOf="@+id/e3"   
            android:text="Add" />   
   
        <Button   
            android:id="@+id/b2"   
            android:layout\_width="wrap\_content"   
            android:layout\_height="wrap\_content"   
            android:layout\_alignTop="@+id/b1"   
            android:layout\_centerHorizontal="true"   
            android:text="Close" />   
   
        <Button   
            android:id="@+id/b3"   
            android:layout\_width="wrap\_content"   
            android:layout\_height="wrap\_content"   
            android:layout\_alignBaseline="@+id/b2"   
            android:layout\_alignBottom="@+id/b2"   
            android:layout\_marginStart="12dp"   
            android:layout\_toEndOf="@+id/b2"   
            android:text="Show" />   
    </RelativeLayout>   
    3   
</androidx.constraintlayout.widget.ConstraintLayout>