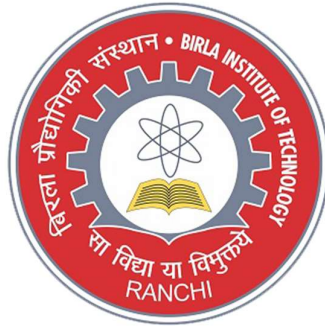


Birla Institute of Technology, Mesra,
Patna Campus



Mi-Assignment

Name-Shubham Sourabh

Roll-Btech/15044/18

Sec-CSE 6th

Assignment-1

Develop an application that uses GUI components, Font and Colors.

Code:-

```
<?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">

    <com.google.android.material.imageview.ShapeableImageView
        android:id="@+id/shapeableImageView"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/background_gradient" />

    <ImageView
        android:id="@+id/topLine"
        android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
app:layout_constraintBottom_toTopOf="@+id/editTextTextPersonName"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/textView" />
```

<ImageView

```
android:id="@+id/bottomLine"
android:layout_width="match_parent"
android:layout_height="wrap_content"
app:layout_constraintBottom_toTopOf="@+id/button"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/editTextNumberDecimal" />
```

<com.google.android.material.imageview.ShapeableImageView

```
android:id="@+id/shapeableImageView2"
android:layout_width="0dp"
android:layout_height="0dp"
android:layout_marginStart="30dp"

android:layout_marginEnd="30dp"
app:layout_constraintBottom_toBottomOf="@+id/bottomLine"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/topLine"
app:srcCompat="@drawable/background_gradient2" />
```

<TextView

```
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Enter your detail"
    android:textColor="#FFFFFF"
    android:textSize="25sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toTopOf="@+id/editTextTextPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

<EditText

```
    android:id="@+id/editTextTextPersonName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:backgroundTint="#fefe"
    android:ems="10"
    android:hint="Name"
    android:inputType="textPersonName"
    android:textColor="#FFFFFF"
    android:textColorHint="#FFFFFF"
    app:layout_constraintBottom_toTopOf="@+id/editTextPhone"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
```

```
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/textView"
tools:targetApi="lollipop" />
```

```
<EditText
```

```
    android:id="@+id/editTextTextEmailAddress"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:backgroundTint="#fefefe"
    android:ems="10"
    android:hint="E-mail"
    android:inputType="textEmailAddress"
    android:textColor="#FFFFFF"
    android:textColorHint="#FFFFFF"
    app:layout_constraintBottom_toTopOf="@+id/editTextTextPersonName2"
    app:layout_constraintStart_toStartOf="@+id/editTextPhone"
    app:layout_constraintTop_toBottomOf="@+id/editTextPhone"
    tools:targetApi="lollipop" />
```

```
<EditText
```

```
    android:id="@+id/editTextPhone"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:backgroundTint="#fefefe"
    android:ems="10"
    android:hint="Phone number"
    android:inputType="phone"
    android:maxLength="10"
```

```
android:textColor="#FFFFFF"
android:textColorHint="#FFFFFF"
app:layout_constraintBottom_toTopOf="@+id/editTextTextEmailAddress"
app:layout_constraintStart_toStartOf="@+id/editTextTextPersonName"
app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName"
tools:targetApi="lollipop" />
```

<EditText

```
android:id="@+id/editTextTextPersonName2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:backgroundTint="#fefefe"
android:ems="10"
android:hint="State"
android:inputType="textPersonName"
android:textColor="#FFFFFF"
android:textColorHint="#FFFFFF"
app:layout_constraintBottom_toTopOf="@+id/editTextTextPersonName3"
app:layout_constraintStart_toStartOf="@+id/editTextTextEmailAddress"
app:layout_constraintTop_toBottomOf="@+id/editTextTextEmailAddress"
tools:targetApi="lollipop" />
```

<EditText

```
android:id="@+id/editTextTextPersonName3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:backgroundTint="#fefefe"
android:ems="10"
```

```
android:hint="City"
android:inputType="textPersonName"
android:textColor="#FFFFFF"
android:textColorHint="#FFFFFF"
app:layout_constraintBottom_toTopOf="@+id/editTextTextPersonName4"
app:layout_constraintStart_toStartOf="@+id/editTextTextPersonName2"
app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName2"
tools:targetApi="lollipop" />
```

<EditText

```
android:id="@+id/editTextTextPersonName4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:backgroundTint="#fefefe"
android:ems="10"
android:hint="Address"
android:inputType="textPersonName"
android:textColor="#FFFFFF"
android:textColorHint="#FFFFFF"
app:layout_constraintBottom_toTopOf="@+id/editTextNumberDecimal"
app:layout_constraintStart_toStartOf="@+id/editTextTextPersonName3"
app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName3"
tools:targetApi="lollipop" />
```

<EditText

```
android:id="@+id/editTextNumberDecimal"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
```

```
android:backgroundTint="#fefefe"
android:ems="10"
android:hint="Pin code"
android:inputType="numberDecimal"
android:maxLength="6"
android:textColor="#FFFFFF"
android:textColorHint="#FFFFFF"
app:layout_constraintBottom_toTopOf="@+id/button"
app:layout_constraintStart_toStartOf="@+id/editTextTextPersonName4"
app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName4"
tools:targetApi="lollipop" />
```

<Button

```
android:id="@+id/button"
android:layout_width="0dp"
android:layout_height="wrap_content"

android:backgroundTint="@color/purple"
android:text="Submit"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="@+id/shapeableImageView2"
app:layout_constraintStart_toStartOf="@+id/shapeableImageView2"
app:layout_constraintTop_toBottomOf="@+id/editTextNumberDecimal"
tools:targetApi="lollipop" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

Output:-

The image shows a registration form with a green gradient background. The title 'Enter your detail' is at the top in white. Below it is a rounded rectangle containing seven input fields, each with a label and a white underline. The labels are 'Name', 'Phone number', 'E-mail', 'State', 'City', 'Address', and 'Pin code'. At the bottom of the form is a red button with the word 'SUBMIT' in white capital letters.

Enter your detail

Name _____

Phone number _____

E-mail _____

State _____

City _____

Address _____

Pin code _____

SUBMIT

