

# Practical: 3

**AIM-** Create UI by using Constraint Layout.

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### 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">

    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="match_parent"
        android:layout_height="200dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/guni_pink_logo" />

    <com.google.android.material.card.MaterialCardView
        android:id="@+id/materialCardView"
        android:layout_width="match_parent"
        android:layout_height="300dp"
        android:layout_marginHorizontal="20dp"
        app:cardCornerRadius="20dp"
        app:cardElevation="20dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/imageView2">

    <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <TextView
            android:id="@+id/textView2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="20dp"
            android:layout_marginTop="24dp"

            android:text="Email-id"
            android:textSize="15sp"
            app:layout_constraintBottom_toTopOf="@+id/textView3"
            app:layout_constraintEnd_toStartOf="@+id/editTextTextEmailAddress"
            app:layout_constraintHorizontal_bias="0.222"
```

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```
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.329" />
```

```
<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Password"
    android:textSize="15sp"
    app:layout_constraintBaseline_toBaselineOf="@+id/editTextText3"
    app:layout_constraintEnd_toStartOf="@+id/editTextText3"
    app:layout_constraintHorizontal_bias="0.531"
    app:layout_constraintStart_toStartOf="parent" />
```

```
<EditText
    android:id="@+id/editTextText3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="13dp"
    android:layout_marginEnd="32dp"
    android:layout_marginBottom="16dp"
    android:ems="10"
    android:inputType="text"
    android:padding="15dp"
    android:text=""
    app:layout_constraintBottom_toTopOf="@+id/textView4"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/editTextTextEmailAddress" />
```

```
<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="96dp"
    android:text="Forgot password?"
```

```
    android:textSize="17sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.085"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3"
    app:layout_constraintVertical_bias="1.0" />
```

```
<Button
```

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```
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Login"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.477"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView4"
        app:layout_constraintVertical_bias="0.916" />

<EditText
    android:id="@+id/editTextTextEmailAddress"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textEmailAddress"
    android:padding="15dp"
    app:layout_constraintBaseline_toBaselineOf="@+id/textView2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.491"
    app:layout_constraintStart_toEndOf="@+id/textView3" />
</androidx.constraintlayout.widget.ConstraintLayout>
</com.google.android.material.card.MaterialCardView>

<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Don't have an account?"
    android:textSize="15dp"
    app:layout_constraintBaseline_toBaselineOf="@+id/button2"
    app:layout_constraintEnd_toStartOf="@+id/button2"
    app:layout_constraintHorizontal_bias="0.591"
    app:layout_constraintStart_toStartOf="parent" />

<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="27dp"
    android:layout_marginEnd="92dp"
    android:background="#00ffffff"
    android:text="sign Up"
    android:textColor="@android:color/holo_red_dark"
    android:textSize="15dp"
    app:layout_constraintBottom_toBottomOf="parent"
```

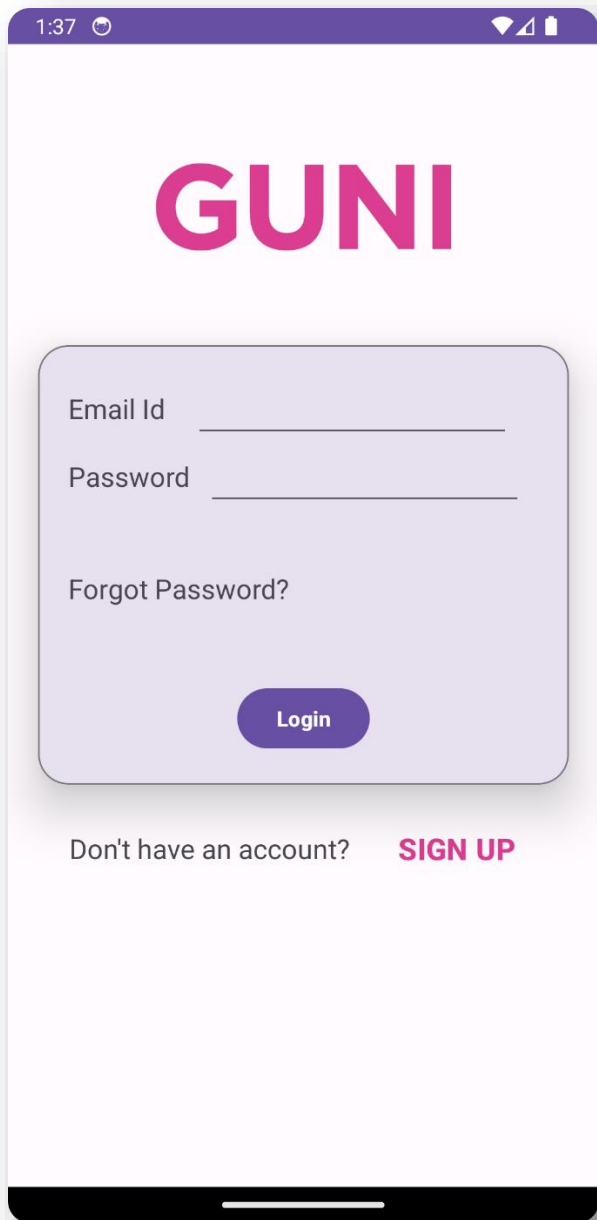
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```
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/materialCardView"  
app:layout_constraintVertical_bias="0.046" />
```

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

### Output :-

#### LIGHT THEME



#### DARK THEME

