2CEIT5PE5: MOBILE APPLICATION DEVELOPMENT

Practical: 3

AIM- Create following UI by using ConstraintLayout..

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1. **Create following UI by using ConstraintLayout.**

   Activity_main.xml:

```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/imageView"
        android:layout_width="match_parent"
        android:layout_height="200dp"
        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="250dp"
        android:layout_marginHorizontal="20dp"
        app:cardCornerRadius="20dp"
        app:cardElevation="20dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/imageView">

        <androidx.constraintlayout.widget.ConstraintLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:padding="20dp">


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

```
            android:layout_height="wrap_content"
            android:text="Email ID"

app:layout_constraintBaseline_toBaselineOf="@+id/editTextTextEmailAddre
ss"
            app:layout_constraintStart_toStartOf="parent" />

        <EditText
            android:id="@+id/editTextTextEmailAddress"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:ems="10"
            android:inputType="textEmailAddress"
            app:layout_constraintEnd_toEndOf="parent"

app:layout_constraintStart_toEndOf="@+id/textViewEmailID"
            app:layout_constraintTop_toTopOf="parent" />

        <TextView
            android:id="@+id/textView2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Password"

app:layout_constraintBaseline_toBaselineOf="@+id/editTextTextPassword"
            app:layout_constraintStart_toStartOf="parent" />

        <EditText
            android:id="@+id/editTextTextPassword"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:ems="10"
            android:inputType="textPassword"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toEndOf="@+id/textView2"

app:layout_constraintTop_toBottomOf="@+id/editTextTextEmailAddress" />

        <TextView
            android:id="@+id/textView5"
```

```
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="30dp"
            android:text="Forgot Password?"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/textView2" />

        <Button
            android:id="@+id/button2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="20dp"
            android:text="login"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/textView5" />

    </androidx.constraintlayout.widget.ConstraintLayout>

</com.google.android.material.card.MaterialCardView>

<TextView
    android:id="@+id/textView6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="40dp"
    android:layout_marginTop="20dp"
    android:text="Dont have an account?"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/materialCardView" />

<Button
    android:id="@+id/button4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="20dp"
    android:layout_marginTop="7dp"
    android:background="#00ffffff"
```

```
        android:text="SIGN UP"
        android:textColor="#FF1493"
        app:layout_constraintStart_toEndOf="@+id/textView6"
        app:layout_constraintTop_toBottomOf="@+id/materialCardView" />


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

Design Output :