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## COLLEGE OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY(COCSIT), LATUR

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COCSIT

**MAD/LAB/03          - Demonstrate the use of Layout such as Relative Layout, Linear Layout.**

**Step-1** open android studio.

If android studio start from welcome screen of android studio then

Click on **New Project.**

If you open previous created project then first close current open project.

Goto File -> select close project options

You can see the **wel-come screen** of android studio repeat step 1

Click on **New Project.**

Select **empty Activity** form right side panel and click on next button.

**Step-2** Write the Application name as **MADLAB03**

Select Language for Development is **Java**

Select Minimum SDK, scroll upside and choose android version **4.1 JellyBean.**

Click on **next** Button

**Step-3** Your Application show two types of file in that select **activity_main.xml**

Right click on design page area and select **GOTO XML.**

**Change the page layout as relative layout.**

```xml
<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout 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"
    android:background="#B8926A"
    android:orientation="horizontal"
    >


    <TextView
        android:id="@+id/txtQuiz"
        android:layout_width="match_parent"
        android:gravity="center"
        android:layout_height="wrap_content"
        android:text="COCSIT APP"
        android:textSize="36sp"
        android:textStyle="bold"
        android:textColor="#535E46"
        android:layout_marginTop="150dp"
        android:layout_centerHorizontal="true"/>


    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="300dp"
        android:layout_centerInParent="true"
        android:layout_margin="30dp">


<RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">


        <TextView
            android:id="@+id/txtWelcome"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="center"
            android:text="Welcome"
            android:textSize="50sp"
```

```
            android:textStyle="bold"
            android:textColor="#000000"
            android:layout_centerHorizontal="true"
            android:layout_marginTop="10dp"
            android:padding="5dp"/>

        <EditText
            android:id="@+id/edtName"
            android:layout_width="match_parent"
            android:layout_height="70dp"
            android:layout_below="@id/txtWelcome"
            android:background="#ffffff"
            android:layout_marginLeft="25dp"
            android:layout_marginRight="25dp"
            android:hint="Enter Your Name"
            android:textColor="#000000"
            android:textSize="30sp"
            android:inputType="text"
            android:layout_marginTop="10dp"/>

        <Button
            android:id="@+id/btnSubmit"
            android:layout_width="match_parent"
            android:layout_height="70dp"
            android:layout_below="@id/edtName"
            android:layout_marginRight="25dp"
            android:layout_marginLeft="25dp"
            android:text="Submit"
            android:textSize="24sp"
            android:textColor="#FAF9F9"
            android:layout_marginTop="10dp"
            android:backgroundTint="#F11A13"/>

    </RelativeLayout>


  </androidx.cardview.widget.CardView>


</RelativeLayout>
```

**Step-4** Create an another activity in same application give the Name **Second Activity**

    **Right Click on java-> Activity-> Empty Activity**

**Step-5** Second activity show two types of file in that select **activity_second.xml**

    Right click on design page area and select **GOTO XML.**

```xml
<? xml version="1.0" encoding="utf-8"?>

<LinearLayout 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:orientation="vertical"
    android:gravity="center"
    android:background="@drawable/image_123455">

<LinearLayout
    android:orientation="horizontal"
    android:weightSum="2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

<Button
    android:layout_weight="1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:text="STUDENT"
    android:textSize="20sp"
    android:textColor="#1E2522"
    android:padding="30dp"
    android:textStyle="bold"/>

<Button
    android:layout_weight="1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:text="Teacher"
    android:textSize="20sp"
    android:textColor="#1E2522"
    android:padding="30dp"
    android:textStyle="bold"/>
</LinearLayout>
```

```xml
<LinearLayout
    android:background="#ffffff"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

 <TextView
    android:id="@+id/txtCong"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:text="Hey! Congratulation "
    android:textSize="30sp"
    android:textColor="#1E2522"
    android:padding="30dp"
    android:textStyle="bold"/>

<TextView
    android:id="@+id/txtParticipentName"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Mr XYZ CANDIDATE"
    android:gravity="center"
    android:textSize="20sp"
    android:textStyle="bold"
    android:textColor="#1A2520"
    android:padding="30dp"/>

<TextView
    android:id="@+id/txtMarks"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="TOTAL Marks : 90%"
    android:textSize="30sp"
    android:gravity="center"
    android:textStyle="bold"
    android:textColor="#000000"
    />

</LinearLayout>
</LinearLayout>
```

**FINISH**