Practical 6

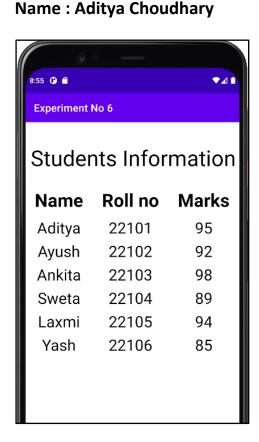
1. Write a program to print information of five students using Table Layout.

```
<?xml version="1.0" encoding="utf-8"?>
                                                                     android:layout width="wrap content"
<TableLayout
                                                                     android:layout_height="wrap_content"
xmlns:android="http://schemas.android.com/apk/res/and
                                                                     android:text="Aditya"
                                                                     android:textSize="30dp"
  xmlns:app="http://schemas.android.com/apk/res-auto"
                                                                     android:layout_gravity="center"
  xmlns:tools="http://schemas.android.com/tools"
                                                                     android:textColor="@color/black"
  android:layout width="match parent"
                                                                     android:gravity="center"
  android:layout_height="match_parent"
                                                                     />
  tools:context=".MainActivity"
                                                                   <TextView
  android:stretchColumns="*">
                                                                     android:layout_width="wrap_content"
  <TextView
                                                                     android:layout_height="wrap_content"
                                                                     android:text="22101"
     android:layout_width="wrap_content"
     android:layout_height="wrap_content"
                                                                     android:textSize="30dp"
                                                                     android:layout gravity="center"
     android:text="Students Information"
     android:textSize="42dp"
                                                                     android:textColor="@color/black"
     android:layout_marginLeft="10dp"
                                                                     android:gravity="center"
     android:layout marginTop="40dp"
                                                                     />
     android:textColor="@color/black"
                                                                   <TextView
    />
                                                                     android:layout_width="wrap_content"
                                                                     android:layout_height="wrap_content"
  <TableRow android:layout_marginTop="30dp">
     <TextView
                                                                     android:text="95"
       android:layout_width="wrap_content"
                                                                     android:textSize="30dp"
       android:layout_height="wrap_content"
                                                                     android:layout_gravity="center"
       android:text="Name"
                                                                     android:textColor="@color/black"
       android:textStyle="bold"
                                                                     android:gravity="center" />
       android:textSize="35dp"
                                                                </TableRow>
                                                                <TableRow android:layout_marginTop="5dp">
       android:layout gravity="center"
       android:textColor="@color/black"
                                                                   <TextView
       android:gravity="center"
                                                                     android:layout_width="wrap_content"
                                                                     android:layout_height="wrap_content"
       />
     <TextView
                                                                     android:text="Ayush"
       android:layout_width="wrap_content"
                                                                     android:textSize="30dp"
       android:layout_height="wrap_content"
                                                                     android:layout_gravity="center"
                                                                     android:textColor="@color/black"
       android:text="Roll no"
       android:textStyle="bold"
                                                                     android:gravity="center"
       android:textSize="35dp"
                                                                     />
       android:layout gravity="center"
                                                                   <TextView
       android:textColor="@color/black"
                                                                     android:layout_width="wrap_content"
       android:gravity="center"
                                                                     android:layout_height="wrap_content"
                                                                     android:text="22102"
     <TextView
                                                                     android:textSize="30dp"
       android:layout_width="wrap_content"
                                                                     android:layout_gravity="center"
       android:layout_height="wrap_content"
                                                                     android:textColor="@color/black"
       android:text="Marks"
                                                                     android:gravity="center"
       android:textStyle="bold"
                                                                     />
       android:textSize="35dp"
                                                                   <TextView
       android:layout gravity="center"
                                                                     android:layout_width="wrap_content"
       android:textColor="@color/black"
                                                                     android:layout_height="wrap_content"
       android:gravity="center"
                                                                     android:text="92"
                                                                     android:textSize="30dp"
       />
  </TableRow>
                                                                     android:layout gravity="center"
  <TableRow android:layout_marginTop="10dp">
                                                                     android:textColor="@color/black"
                                                                     android:gravity="center" />
     <TextView
```

	<textview< th=""></textview<>
<tablerow android:layout_margintop="5dp"></tablerow>	android:layout_width="wrap_content"
<textview< td=""><td>android:layout_height="wrap_content"</td></textview<>	android:layout_height="wrap_content"
android:layout_width="wrap_content"	android:text="Laxmi"
android:layout_height="wrap_content"	android:textSize="30dp"
android:text="Ankita"	android:layout_gravity="center"
android:textSize="30dp"	android:textColor="@color/black"
android:layout_gravity="center"	android:gravity="center"
android:textColor="@color/black"	<i>></i>
android:gravity="center"	<textview< td=""></textview<>
<i>/></i>	android:layout_width="wrap_content"
<textview< td=""><td>android:layout_height="wrap_content"</td></textview<>	android:layout_height="wrap_content"
android:layout_width="wrap_content"	android:text="22105"
android:layout_height="wrap_content"	android:textSize="30dp"
android:text="22103"	android:layout_gravity="center"
android:textSize="30dp"	android:textColor="@color/black"
android:layout_gravity="center"	android:gravity="center"
android:textColor="@color/black"	/>
android:gravity="center"	<textview< td=""></textview<>
<i>/></i>	android:layout_width="wrap_content"
<textview< td=""><td>android:layout_height="wrap_content"</td></textview<>	android:layout_height="wrap_content"
android:layout_width="wrap_content"	android:text="94"
android:layout_height="wrap_content"	android:textSize="30dp"
android:text="98"	android:layout_gravity="center"
android:textSize="30dp"	android:textColor="@color/black"
android:layout_gravity="center"	android:gravity="center"
android:textColor="@color/black"	/>
android:gravity="center"	
/>	<tablerow android:layout_margintop="5dp"></tablerow>
<tablerow android:layout_margintop="5dp"></tablerow>	<textview< td=""></textview<>
<textview< td=""><td>android:layout_width="wrap_content"</td></textview<>	android:layout_width="wrap_content"
android:layout_width="wrap_content"	android:layout_height="wrap_content"
android:layout_height="wrap_content"	android:text="Yash"
android:text="Sweta"	android:textSize="30dp"
android:textSize="30dp"	android:layout_gravity="center"
android:layout_gravity="center"	android:textColor="@color/black"
android:textColor="@color/black"	android:gravity="center"
android:gravity="center"	<i>></i>
/>	<textview< td=""></textview<>
<textview< td=""><td>android:layout_width="wrap_content"</td></textview<>	android:layout_width="wrap_content"
android:layout_width="wrap_content"	android:layout_height="wrap_content"
android:layout_height="wrap_content"	android:text="22106"
android:text="22104"	android:textSize="30dp"
android:textSize="30dp"	android:layout_gravity="center"
android:layout_gravity="center"	android:textColor="@color/black"
android:textColor="@color/black"	android:gravity="center"
android:gravity="center"	<i> </i> >
/>	<textview< td=""></textview<>
<textview< td=""><td>android:layout_width="wrap_content"</td></textview<>	android:layout_width="wrap_content"
android:layout_width="wrap_content"	android:layout_height="wrap_content"
android:layout_height="wrap_content"	android:text="85"
android:text="89"	android:textSize="30dp"
android:textSize="30dp"	android:layout_gravity="center"
android:layout_gravity="center"	android:textColor="@color/black"
android:textColor="@color/black"	android:gravity="center"
android:gravity="center"	/>
/>	
<tablerow android:layout_margintop="5dp"></tablerow>	

Output :

Roll no: 19406 MAD Experiments



2. Write a program to display the output using table layout.

```
<?xml version="1.0" encoding="utf-8"?>
                                                               android:textColor="@color/black"
<TableLavout
                                                               android:textSize="30dp"
                                                               android:layout_gravity="center"
xmlns:android="http://schemas.android.com/apk/res
                                                               android:layout_span="2"
/android"
  xmlns:app="http://schemas.android.com/apk/res-
                                                               />
auto"
                                                            <TextView
  xmlns:tools="http://schemas.android.com/tools"
                                                               android:layout_width="wrap_content"
  android:layout_width="match_parent"
                                                               android:layout height="wrap content"
  android:layout_height="match_parent"
                                                               android:text="Column 2"
  tools:context=".MainActivity"
                                                               android:textColor="@color/black"
  android:stretchColumns="*"
                                                               android:textSize="30dp"
                                                               android:layout_gravity="center"
  <TableRow android:layout_marginTop="50dp">
                                                               android:layout span="1"
    <TextView
                                                               />
       android:layout_width="wrap_content"
                                                          </TableRow>
                                                          <TableRow android:layout marginTop="10dp">
       android:layout_height="wrap_content"
       android:text="Column 1"
                                                            <TextView
       android:textColor="@color/black"
                                                               android:layout_width="wrap_content"
       android:textSize="30dp"
                                                               android:layout_height="wrap_content"
       android:layout_gravity="center"
                                                               android:text="Column 4"
       android:layout span="3"
                                                               android:textColor="@color/black"
                                                               android:textSize="30dp"
       />
  </TableRow>
                                                               android:layout_gravity="center"
                                                               android:layout_span="3"
  <TableRow android:layout_marginTop="10dp">
    <TextView
                                                               />
       android:layout_width="wrap_content"
                                                          </TableRow>
       android:layout_height="wrap_content"
                                                        </TableLayout>
       android:text="Column 2"
```

Name: Aditya Choudhary Roll no: 19406 MAD Experiments

Output:



3. Write a program to generate then form using Frame Layout.

Code:

<?xml version="1.0" encoding="utf-8"?> <FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre> 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:layout width="match parent" android:layout_height="wrap_content" android:text="Computer Department" android:layout_gravity="top" android:gravity="center" android:textSize="35dp" android:layout_marginTop="30dp" android:textStyle="bold" android:textColor="@color/black"/> <ImageView android:layout width="match parent" android:layout_height="wrap_content" android:src="@drawable/img" android:layout_gravity="center" android:scaleType="fitCenter"/> <Button android:layout_width="wrap_content" android:layout_height="wrap_content" android:layout_gravity="bottom|right" android:layout marginRight="5dp" android:layout_marginBottom="5dp" android:backgroundTint="@color/black" android:gravity="center" android:text="Grade" android:textColor="@color/white" android:textSize="20dp" android:textStyle="bold"/> </FrameLayout>



Name: Aditya Choudhary Roll no: 19406 MAD Experiments

4. Write a program to create the form using frame Layout.

Code:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
  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:orientation="vertical"
  android:weightSum="5"
  >
  <Button
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="New"
    android:textSize="40dp"
    android:backgroundTint="@color/black"
    android:layout_margin="1dp"/>
  <Button
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout weight="1"
    android:text="Save"
    android:textSize="40dp"
    android:backgroundTint="@color/black"
    android:layout_margin="1dp"/>
  <Button
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="2"
    android:text="Update"
    android:textSize="40dp"
    android:backgroundTint="@color/black"
    android:layout_margin="1dp"/>
  <Button
    android:layout width="match parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Delete"
    android:textSize="40dp"
    android:backgroundTint="@color/black"
    android:layout_margin="1dp"
</LinearLayout>
```





Output:

5. Write a program to create the below form using Relative Layout.

```
Code:
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
  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/textView2"
    android:layout_width="wrap_content"
    android:layout_height="100dp"
    android:text="Sign In"
    android:textSize="50dp"
    android:layout_centerHorizontal="true"
    android:layout_alignParentTop="true"
    android:textColor="@color/black"
    android:layout_marginTop="40dp"
    />
  <TextView
    android:id="@+id/username"
    android:layout_width="wrap_content"
    android:layout_height="45dp"
    android:text="Username: "
    android:textSize="30dp"
    android:layout_marginTop="150dp"
    android:textColor="@color/black"
    android:layout alignParentTop="true"
    android:paddingLeft="15dp"
    />
  <TextView
    android:layout_below="@+id/username"
    android:layout_width="wrap_content"
    android:layout_height="45dp"
    android:text="Password: "
    android:textSize="30dp"
    android:layout_marginTop="40dp"
    android:textColor="@color/black"
    android:paddingLeft="15dp"
    />
  <EditText
    android:id="@+id/text"
    android:layout width="match parent"
    android:layout_height="45dp"
    android:layout_toRightOf="@+id/username"
    android:layout_marginTop="150dp"
    android:hint="Enter Username"
    android:paddingRight="15dp"
    android:textSize="25dp"
    />
  <EditText
```

android:layout_width="match_parent"

Name: Aditya Choudhary Roll no: 19406 android:layout_height="45dp" android:layout_toRightOf="@+id/username" android:layout_marginTop="40dp" android:hint="Enter Password" android:paddingRight="15dp" android:textSize="25dp" android:layout_below="@+id/text" /> <Button android:layout_width="170dp" android:layout_height="70dp" android:text="Sign In" android:textSize="30dp" android:layout_alignParentBottom="true" android:layout_alignParentRight="true" android:backgroundTint="@color/black" /> </RelativeLayut>

MAD Experiments

Output:



Name : Aditya Choudhary Roll no : 19406 MAD Experiments

6. Write a program to create the below form using Relative Layout.

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
  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=".MainActivity2">
  <Button
    android:id="@+id/parent"
    android:layout_width="wrap_content"
    android:layout_height="100dp"
    android:backgroundTint="#01023b"
    android:text="Home"
    android:textSize="40dp"
    android:textColor="#f5ff00"
    android:layout_marginTop="40dp"
    android:layout_marginLeft="20dp"
    />
  <Button
    android:layout_toRightOf="@+id/parent"
    android:layout width="wrap content"
    android:layout_height="100dp"
    android:backgroundTint="#01023b"
    android:text="About"
    android:textSize="40dp"
    android:textColor="#f5ff00"
    android:layout_marginTop="40dp"
    android:layout_marginLeft="20dp"
    />
  <Button
    android:layout_width="wrap_content"
    android:layout height="100dp"
    android:backgroundTint="#01023b"
    android:text="Help"
    android:textSize="40dp"
    android:textColor="#f5ff00"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="20dp"
    android:layout_below="@+id/parent"
    />
  <TextView
    android:layout_width="105dp"
    android:layout_height="65dp"
    android:text="Id:"
    android:textSize="50dp"
    android:layout below="@+id/parent"
    android:layout_marginTop="170dp"
    android:paddingLeft="20dp"
    android:textColor="@color/black"
    android:id="@+id/ID"
    />
  <EditText
```

Name: Aditya Choudhary android:layout_width="match_parent" android:layout height="65dp" android:layout_toRightOf="@id/ID" android:layout_below="@id/parent" android:layout_marginTop="175dp" android:hint="Enter yout Id" android:textSize="40dp" android:inputType="number" /> <Button android:layout_width="wrap_content" android:layout_height="100dp" android:backgroundTint="#01023b" android:text="Sign In" android:textSize="40dp" android:textColor="#f5ff00" android:layout_marginTop="260dp" android:layout_marginLeft="100dp" android:layout_below="@+id/parent"

Output:

</RelativeLayout>



MAD Experiments

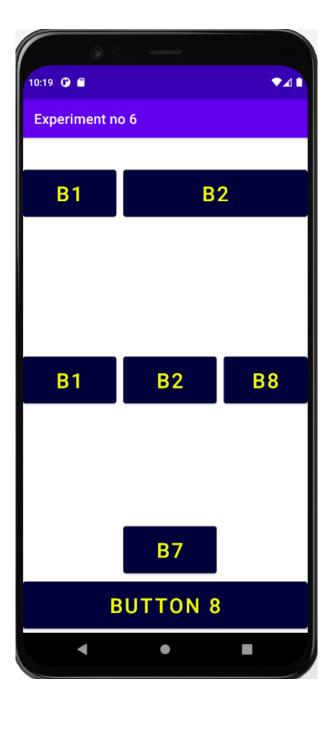
Roll no: 19406

Name: Aditya Choudhary Roll no: 19406 MAD Experiments 7. Write a program to create the below form using Relative Layout.

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
  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"
  <Button
    android:id="@+id/parent"
    android:layout width="135dp"
    android:layout_height="80dp"
    android:backgroundTint="#01023b"
    android:text="B1"
    android:textSize="30dp"
    android:textColor="#f5ff00"
    android:layout_marginTop="40dp"
    />
  <Button
    android:layout_width="match_parent"
    android:layout_height="80dp"
    android:backgroundTint="#01023b"
    android:text="B2"
    android:textSize="30dp"
    android:textColor="#f5ff00"
    android:layout_marginTop="40dp"
    android:layout_marginLeft="10dp"
    android:layout toRightOf="@id/parent"
    />
  <Button
    android:id="@+id/middle"
    android:layout_width="135dp"
    android:layout_height="80dp"
    android:layout below="@id/parent"
    android:layout_marginTop="190dp"
    android:backgroundTint="#01023b"
    android:text="B1"
    android:textColor="#f5ff00"
    android:textSize="30dp"
    />
  <Button
    android:layout width="135dp"
    android:layout_height="80dp"
    android:backgroundTint="#01023b"
    android:text="B2"
    android:textSize="30dp"
    android:textColor="#f5ff00"
    android:layout marginTop="190dp"
    android:layout_toRightOf="@id/middle"
    android:layout_below="@id/parent"
    android:layout_marginLeft="10dp"
    android:id="@+id/middle2"
```

Name: Aditya Choudhary <Button android:layout_width="135dp" android:layout_height="80dp" android:layout_below="@id/parent" android:layout_marginLeft="10dp" android:layout_marginTop="190dp" android:layout_toRightOf="@id/middle2" android:backgroundTint="#01023b" android:text="B8" android:textColor="#f5ff00" android:textSize="30dp"/> <Button android:layout_width="match_parent" android:layout_height="80dp" android:backgroundTint="#01023b" android:text="Button 8" android:textSize="30dp" android:textColor="#f5ff00" android:layout_alignParentBottom="true" android:id="@+id/b8" /> <Button android:layout_width="135dp" android:layout_height="80dp" android:backgroundTint="#01023b" android:text="B7" android:textSize="30dp" android:textColor="#f5ff00" android:layout marginLeft="145dp" android:layout_above="@+id/b8" </RelativeLayout>

Output:



MAD Experiments

Roll no: 19406