## Practical 7

1. Write a program to accept the student information and Toast all the Value of the EditText on click event of button.

#### Code:

```
android:textColor="@color/black"
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
                                                                 android:layout_marginTop="20dp"
xmlns:android="http://schemas.android.com/apk/res/and
                                                                 android:layout_marginLeft="30dp"
roid"
                                                                 android:layout below="@id/name"
  xmlns:app="http://schemas.android.com/apk/res-auto"
  xmlns:tools="http://schemas.android.com/tools"
                                                               <EditText
  android:layout_width="match_parent"
                                                                 android:id="@+id/age"
  android:layout_height="match_parent"
                                                                 android:layout_width="300dp"
  tools:context=".MainActivity">
                                                                 android:layout_height="wrap_content"
                                                                 android:layout_below="@+id/name"
  <TextView
    android:layout_width="wrap_content"
                                                                  android:layout_alignLeft="@+id/child"
    android:layout_height="wrap_content"
                                                                 android:layout_marginTop="65dp"
    android:text="Student Information"
                                                                 android:hint="Enter yout Age"
    android:textSize="40dp"
                                                                 android:textColor="@color/black"
    android:textColor="@color/black"
                                                                  android:textSize="25dp" />
    android:textStyle="bold"
                                                               <TextView
    android:layout_marginTop="30dp"
                                                                 android:layout_width="wrap_content"
    android:layout_marginLeft="30dp"
                                                                 android:layout_height="wrap_content"
    android:id="@+id/info"
                                                                 android:text="Mobile Number: "
    />
                                                                 android:textSize="30dp"
  <TextView
                                                                 android:textColor="@color/black"
    android:layout_width="wrap_content"
                                                                 android:layout_marginTop="20dp"
    android:layout_height="wrap_content"
                                                                 android:layout_marginLeft="30dp"
    android:text="Name: "
                                                                 android:layout_below="@id/age"
                                                                 />
    android:textSize="30dp"
    android:textColor="@color/black"
                                                               <EditText
    android:layout_marginTop="40dp"
                                                                 android:id="@+id/mobnum"
    android:layout_marginLeft="30dp"
                                                                 android:layout_width="300dp"
    android:layout_below="@id/info"
                                                                 android:layout_height="wrap_content"
    android:id="@+id/child"
                                                                 android:layout_below="@+id/age"
    />
                                                                 android:layout_alignLeft="@+id/child"
  <EditText
                                                                 android:layout_marginTop="65dp"
    android:id="@+id/name"
                                                                 android:hint="Enter yout Mobile Number"
    android:layout_width="300dp"
                                                                 android:textColor="@color/black"
    android:layout_height="wrap_content"
                                                                 android:textSize="25dp" />
    android:layout_below="@+id/child"
                                                               <Button
    android:layout_alignLeft="@+id/child"
                                                                 android:id="@+id/sub"
    android:layout_marginTop="5dp"
                                                                 android:layout_width="wrap_content"
    android:hint="Enter yout name"
                                                                 android:layout height="70dp"
    android:textColor="@color/black"
                                                                 android:layout_below="@+id/mobnum"
    android:textSize="25dp" />
                                                                 android:layout_marginLeft="130dp"
  <TextView
                                                                 android:layout_marginTop="50dp"
                                                                 android:backgroundTint="@color/black"
    android:layout width="wrap content"
                                                                  android:text="Submit"
    android:layout_height="wrap_content"
    android:text="Age:"
                                                                  android:textSize="25dp" />
    android:textSize="30dp"
                                                             </RelativeLayout>
```

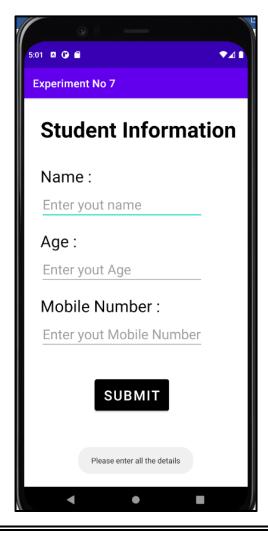
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## Java Code:

```
package com.example.exp7q1;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
  Button submit;
  EditText name,age,mob;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    name = (EditText) findViewById(R.id.name);
    age = (EditText) findViewById(R.id.age);
    mob = (EditText) findViewById(R.id.mobnum);
    submit = (Button) findViewById(R.id.sub);
    submit.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View view) {
        if(name.getText().toString().isEmpty() || age.getText().toString().isEmpty() || mob.getText().toString().isEmpty()){
                 Toast.makeText(getApplicationContext(), "Please enter all the details", Toast.LENGTH_SHORT).show();}
         else{
                 Toast.makeText(getApplicationContext(), "Name: "+name.getText().toString()+"\n"+"Age:
                 "+age.getText().toString()+"\n"+"Mobile Number: "+mob.getText().toString(),
                Toast.LENGTH SHORT).show();
           } }});}}
```

## Output:





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2. Write a program to accept username and password form end user and verify username and password.

## Xml Code:

```
<?xml version="1.0" encoding="utf-8"?>
                                                               android:layout_marginLeft="20dp"
                                                               android:layout marginRight="20dp"
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/a
                                                               android:layout_marginTop="40dp"
ndroid"
                                                               android:textSize="25dp"
  xmlns:app="http://schemas.android.com/apk/res-
                                                               android:hint="Enter your Username"
auto"
                                                               android:textStyle="italic"
  xmlns:tools="http://schemas.android.com/tools"
                                                               android:paddingLeft="20dp" />
  android:layout_width="match_parent"
                                                             <EditText
  android:layout height="match parent"
                                                               android:id="@+id/pass word"
  android:orientation="vertical"
                                                               android:background="@drawable/textbox_bg"
  tools:context=".MainActivity">
                                                               android:layout_width="match_parent"
  <ImageView
                                                               android:layout_height="60dp"
    android:layout_width="283dp"
                                                               android:layout_marginLeft="20dp"
    android:layout_height="196dp"
                                                               android:layout_marginRight="20dp"
    android:src="@drawable/img1"
                                                               android:layout_marginTop="20dp"
    android:layout_marginLeft="60dp"
                                                               android:textSize="25dp"
    android:layout_marginTop="20dp"/>
                                                               android:inputType="textPassword"
  <TextView
                                                               android:hint="Enter your Password"
                                                               android:textStyle="italic"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
                                                               android:paddingLeft="20dp" />
                                                             <Button
    android:layout_marginLeft="105dp"
    android:layout_marginTop="30dp"
                                                               android:id="@+id/btn1"
    android:text="LOG IN"
                                                               android:background="@drawable/button_bg"
    android:textColor="#1660E6"
                                                               android:layout_width="180dp"
    android:textSize="70dp"
                                                               android:layout_height="60dp"
    android:textStyle="italic" />
                                                               android:layout_marginTop="45dp"
  <EditText
                                                               android:layout_marginLeft="115dp"
    android:id="@+id/user_name"
                                                               android:text="Loginn"
    android:background="@drawable/textbox_bg"
                                                               android:textSize="25dp" />
    android:layout_width="match_parent"
                                                          </LinearLayout>
    android:layout_height="60dp"
```

# button\_bg Code:

```
<?xml version="1.0" encoding="utf-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android">
  <corners android:radius="20dp"/>
  <solid android:color="#1660E6"/>
</shape>
```

# Textbox\_bg Code:

```
<?xml version="1.0" encoding="utf-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android">
  <corners android:radius="20dp"/>
  <solid android:color="#1660E6"/>
</shape>
```

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## Java Code:

```
package com.example.exp7q1;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity2 extends AppCompatActivity {
  EditText username, password;
  Button login;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main2);
    username = (EditText) findViewById(R.id.user_name);
    password = (EditText) findViewById(R.id.pass_word);
    login = (Button) findViewById(R.id.btn1);
    login.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View view) {
         if(username.getText().toString().isEmpty() || password.getText().toString().isEmpty()){
           Toast.makeText(getApplicationContext(), "Enter all the details", Toast.LENGTH_SHORT).show();
            else if(username.getText().toString().equals("Aditya") && password.getText().toString().equals
("aditya@19406")){
           Toast.makeText(getApplicationContext(), "Login Sucessfull", Toast.LENGTH_SHORT).show();
         }
         else{
           Toast.makeText(getApplicationContext(), "Invalid Credentials", Toast.LENGTH_SHORT).show();
    });
  }
```

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Output:



android:layout\_width="250dp"





# 3. Write a program to change the text of textview on button click. Code:

```
<?xml version="1.0" encoding="utf-8"?>
<AbsoluteLayout 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=".MainActivity3">
  <TextView
    android:id="@+id/text"
    android:layout_width="match_parent"
    android:layout_height="100dp"
    android:text="Click The Button"
    android:textColor="@color/black"
    android:textSize="50dp"
    android:textStyle="bold|italic"
    android:layout_x="30dp"
    android:layout_y="50dp"
    />
  <Button
    android:id="@+id/btn"
```

```
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```

```
android:layout_height="100dp"
android:text="Click Me !!"
android:textSize="30dp"
android:backgroundTint="@color/black"
android:layout_y="150dp"
android:layout_x="80dp"
/>
</AbsoluteLayout>
```

## Java Code:

```
package com.example.exp7q1;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
public class MainActivity3 extends AppCompatActivity {
  TextView txt;
  Button click btn;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main3);
    click_btn = (Button) findViewById(R.id.btn);
    txt = (TextView) findViewById(R.id.text);
    click_btn.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View view) {
         txt.setText("Button Clicked !!");
     });
```

# Output:

