## Experiment No: 3

Aim: WAA to design a form using GUT
components A login form is created using the <EditText 1> XML The processing of data is designed in the Java Rile of the project. - 2 2016 not had - clearning of data on pressing the 'Reset' button is done from Java and displaying expor message using the built-in error method setemos!) is done using the Java andvoid package.

Forms in XML File as Java: Logout pullmost bear nologout directory The logout XML file defines the edmicture and appearance of the user interface. Here the defined Edit Text fields for name, email , password along with buttons are present in XML logout. Java code

Main Activity class extends Approxpat Activity,
which is the base class for activities



Initialize Edittext fields and buttons using bindviewById() method, which finds the view by the specified Id defined in the XML logout. reset but tone using setOnolick Listener()
method. button clicks: For the proceed button, we retreive text From Edit Text field process the data of using Toast. for respl bython, we clear all the Edil Text 

triggers event that are handled by event listeners. Set On Click Listeners () method to set the event.

distances for button dicks

Traide the event Isteners I we define actions to be performed when the corresponding

button is olicked.

Conclusion: 1. ... The experiment illustrates how to monocreate simple login form in android studio using event hardlers.

## Code:

(MainActivity.java)

```
package com.example.mcc exp3;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
editTextEmail, editTextPassword;
    @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        editTextFirstName = findViewById(R.id.editTextFirstName);
        editTextLastName = findViewById(R.id.editTextLastName);
        editTextEmail = findViewById(R.id.editTextEmail);
       editTextPassword = findViewById(R.id.editTextPassword);
       Button buttonProceed = findViewById(R.id.buttonProceed);
```

```
Button buttonReset = findViewById(R.id.buttonReset);
           @Override
                String firstName =
editTextFirstName.getText().toString();
                String lastName =
editTextLastName.getText().toString();
                String email = editTextEmail.getText().toString();
                String password =
editTextPassword.getText().toString();
                String message = "First Name: " + firstName + "nLast
Name: " + lastName +
                        "nEmail: " + email + "nPassword: " + password;
                Toast.makeText (MainActivity.this, message,
Toast.LENGTH SHORT).show();
       buttonReset.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
```

```
editTextFirstName.setText("");
editTextLastName.setText("");
editTextEmail.setText("");
editTextPassword.setText("");
}
});
}
```

## (activity\_main.xml)

```
<?xml version="1.0" encoding="utf-8"?>
xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:tools="http://schemas.android.com/tools"
   android:layout width="match parent"
   android:layout height="match parent"
       android:id="@+id/editTextFirstName"
       android:layout width="match parent"
       android:layout height="wrap content"
       android:hint="First Name"/>
       android:id="@+id/editTextLastName"
       android:layout width="match parent"
       android:layout height="wrap content"
       android:layout below="@id/editTextFirstName"
       android:layout marginTop="16dp"
       android:hint="Last Name"/>
   <EditText
       android:id="@+id/editTextEmail"
       android:layout width="match parent"
       android:layout height="wrap content"
```

```
android:layout below="@id/editTextLastName"
android:layout marginTop="16dp"
android:inputType="textEmailAddress"
android:hint="Email"/>
android:id="@+id/editTextPassword"
android:layout width="match parent"
android:layout height="wrap content"
android:layout below="@id/editTextEmail"
android:layout marginTop="16dp"
android:inputType="textPassword"
android:hint="Password"/>
android:id="@+id/buttonProceed"
android:layout width="wrap content"
android:layout height="wrap content"
android:layout below="@id/editTextPassword"
android:layout marginTop="16dp"
android:text="Proceed"/>
android:id="@+id/buttonReset"
android:layout width="wrap content"
android:layout height="wrap content"
android:layout below="@id/buttonProceed"
android:layout marginTop="16dp"
android:text="Reset"/>
```

## **Output:**

