

## EXPERIMENT 03

### CODE:

```
package com.example.myapplication;

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 {

    private EditText editTextFirstName, editTextLastName, editTextEmail, editTextAge;
    private Button buttonSubmit;

    @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);
        editTextAge = findViewById(R.id.editTextAge);
        buttonSubmit = findViewById(R.id.buttonSubmit);

        buttonSubmit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                // Handle submit button click, you can retrieve values from the fields here
                String firstName = editTextFirstName.getText().toString();
                String lastName = editTextLastName.getText().toString();
                String email = editTextEmail.getText().toString();
                int age = Integer.parseInt(editTextAge.getText().toString());

                // Display a greeting message using a Toast
                String greetingMessage = "Hello, " + firstName + " " + lastName + "!\n" +
                    "Email: " + email + "\n";

                Toast.makeText(MainActivity.this, greetingMessage, Toast.LENGTH_LONG).show();
            }
        });
    }
}
```

```

    }
    });
}
}

```

## XML:

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    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:orientation="vertical"
    android:padding="16dp"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/editTextFirstName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="First Name"/>

    <EditText
        android:id="@+id/editTextLastName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Last Name"
        android:layout_marginTop="8dp"/>

    <EditText
        android:id="@+id/editTextEmail"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Email"
        android:layout_marginTop="8dp"/>

    <EditText
        android:id="@+id/editTextAge"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Age"
        android:inputType="number"

```

```
android:layout_marginTop="8dp"/>
```

```
<Button
```

```
    android:id="@+id/buttonSubmit"
```

```
    android:layout_width="match_parent"
```

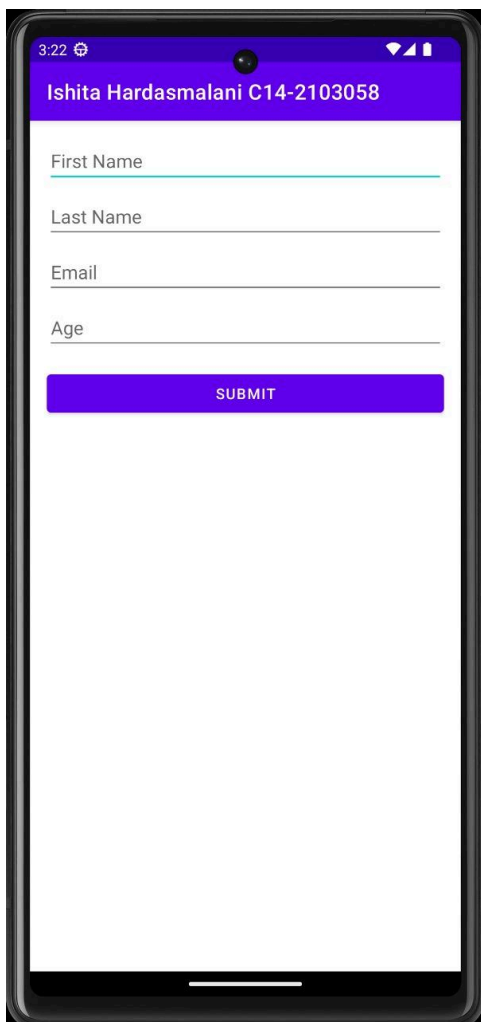
```
    android:layout_height="wrap_content"
```

```
    android:text="Submit"
```

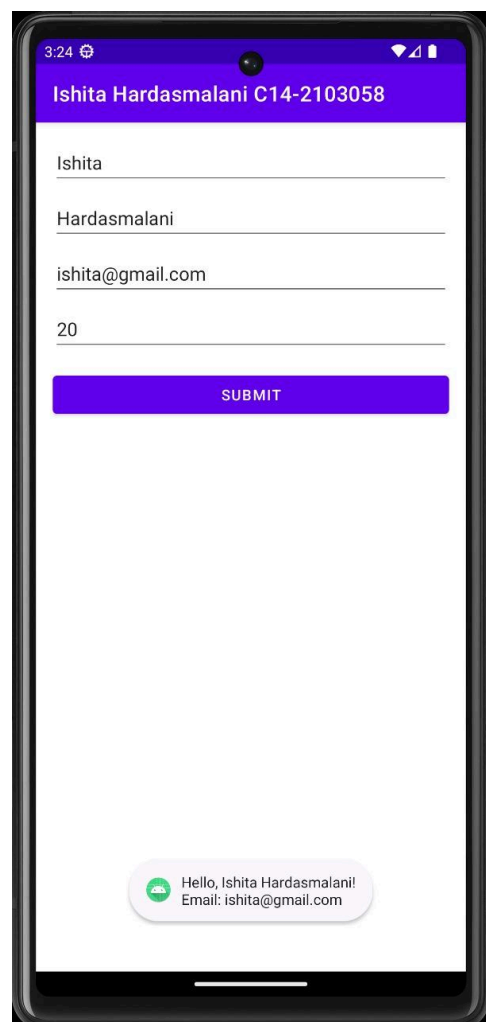
```
    android:layout_marginTop="16dp"/>
```

```
</LinearLayout>
```

## OUTPUT:



The screenshot shows a mobile application interface with a purple header bar containing the text "Ishita Hardasmalani C14-2103058". Below the header, there are four text input fields labeled "First Name", "Last Name", "Email", and "Age". At the bottom of the form is a purple button with the text "SUBMIT".



The screenshot shows the same mobile application interface after the form has been submitted. The input fields now contain the following data: "Ishita" for First Name, "Hardasmalani" for Last Name, "ishita@gmail.com" for Email, and "20" for Age. The "SUBMIT" button remains at the bottom. At the bottom of the screen, a white rounded rectangle contains a green speech bubble icon and the text "Hello, Ishita Hardasmalani! Email: ishita@gmail.com".