

5.Design a registration activity and store registration details in local memory of phone using Intents and SharedPreferences

Code

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp">

    <EditText
        android:id="@+id/editTextName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter your name"
        android:minHeight="48dp" />

    <EditText
        android:id="@+id/editTextEmail"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter your email"
        android:inputType="textEmailAddress"
        android:minHeight="48dp" />

    <Button
        android:id="@+id/buttonRegister"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Register" />

</LinearLayout>
```

MainActivity.java

```
package com.example.recordfifth;
import android.content.Intent;
import android.content.SharedPreferences;
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 editTextName, editTextEmail;
    private Button buttonRegister;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        editTextName = findViewById(R.id.editTextName);
        editTextEmail = findViewById(R.id.editTextEmail);
        buttonRegister = findViewById(R.id.buttonRegister);

        buttonRegister.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                registerUser();
            }
        });
    }

    private void registerUser() {
        String name = editTextName.getText().toString().trim();
        String email = editTextEmail.getText().toString().trim();

        if (name.isEmpty() || email.isEmpty()) {
            Toast.makeText(this, "Please fill all fields", Toast.LENGTH_SHORT).show();
            return;
        }

        // Store registration details in SharedPreferences
        SharedPreferences sharedPreferences = getSharedPreferences("UserPrefs", MODE_PRIVATE);
        SharedPreferences.Editor editor = sharedPreferences.edit();
        editor.putString("userName", name);
        editor.putString("userEmail", email);
        editor.apply();

        // Navigate to another activity
        Intent intent = new Intent(MainActivity.this, WelcomeActivity.class);
        startActivity(intent);
        finish(); // Finish this activity
    }
}

```

activity_welcome.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp">

    <TextView
        android:id="@+id/textViewWelcome"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="18sp" />

</LinearLayout>
```

WelcomeActivity.java

```
package com.example.recordfifth;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class WelcomeActivity extends AppCompatActivity {

    private TextView textViewWelcome;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_welcome);

        textViewWelcome = findViewById(R.id.textViewWelcome);

        // Retrieve registration details from SharedPreferences
        SharedPreferences sharedPreferences = getSharedPreferences("UserPrefs", MODE_PRIVATE);
        String userName = sharedPreferences.getString("userName", "User");
        String userEmail = sharedPreferences.getString("userEmail", "No email");

        textViewWelcome.setText("Welcome, " + userName + "!\\nYour email: " + userEmail);
    }
}
```

Output

