

PROGRAM 1

AIM : Design a registration activity and store registration details in local memory of phone using Intents and SharedPreferences

PROGRAM CODE :

MainActivity.java

```
package com.example.regform;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.util.Patterns;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import java.util.Objects;

public class MainActivity extends AppCompatActivity {

    EditText Name;
    EditText address;
    EditText email;
    Button Submit;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
```

```

super.onCreate(savedInstanceState);

setContentView(R.layout.activity_main);


Name = findViewById(R.id.s1);

address = findViewById(R.id.s2);

email = findViewById(R.id.s3);

Submit = findViewById(R.id.b1);

}

public void callSecondActivity(View view) {

    Intent i = new Intent(getApplicationContext(), MainActivity2.class);

    String str = "Name : " + Name.getText().toString();

    i.putExtra("Value1", str);

    String str1 = "Address : " + address.getText().toString();

    i.putExtra("Value2", str1);

    String str2 = "Email : " + email.getText().toString();

    i.putExtra("Value3", str2);

    startActivity(i);

}

}

```

activity_main.xml

```

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"

    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/r1"
android:layout_width="191dp"
android:layout_height="39dp"
android:background="#009688"
android:text="REGISTRATION FORM"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.581"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.111" />
<TextView
android:id="@+id/a1"
android:layout_width="113dp"
android:layout_height="33dp"
android:text="Name"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.167"
app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.289" />
<EditText
    android:id="@+id/s1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.919"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.276" />
<TextView
    android:id="@+id/a2"
    android:layout_width="115dp"
    android:layout_height="32dp"
    android:text="Address"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.162"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.417" />
```

```
<EditText  
    android:id="@+id/s2"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:ems="10"  
    android:inputType="textPersonName"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.919"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.406" />
```

```
<TextView  
    android:id="@+id/a3"  
    android:layout_width="116dp"  
    android:layout_height="30dp"  
    android:text="Email"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.167"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.525" />
```

```
<EditText  
    android:id="@+id/s3"
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:ems="10"
android:inputType="textPersonName"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.915"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.525" />
<Button
android:id="@+id/b1"
android:layout_width="140dp"
android:layout_height="54dp"
android:background="#009688"
android:onClick="callSecondActivity"
android:text="Submit"
android:textColorLink="#03A9F4"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.557"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.749" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

activity_main2.xml

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"

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">

<TextView

android:id="@+id/t1"

android:layout_width="312dp"

android:layout_height="73dp"

app:layout_constraintBottom_toBottomOf="parent"

app:layout_constraintEnd_toEndOf="parent"

app:layout_constraintHorizontal_bias="0.517"

app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toTopOf="parent"

app:layout_constraintVertical_bias="0.387" />

<TextView

android:id="@+id/t2"

android:layout_width="309dp"

android:layout_height="77dp"

```
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.509"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.559" />

<TextView

android:id="@+id/t3"
android:layout_width="313dp"
android:layout_height="70dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.728" />

<TextView

android:id="@+id/textView3"
android:layout_width="391dp"
android:layout_height="100dp"
android:background="#009688"
android:text="DETAILS"
android:textSize="36sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
```



```
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.147" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.java

```
package com.example.regform;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity2 extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        TextView t1;

        TextView t2;

        TextView t3;

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main2);

        t1 = (TextView) findViewById(R.id.t1);

        t2 = (TextView) findViewById(R.id.t2);

        t3 = (TextView) findViewById(R.id.t3);

        // create the get Intent object

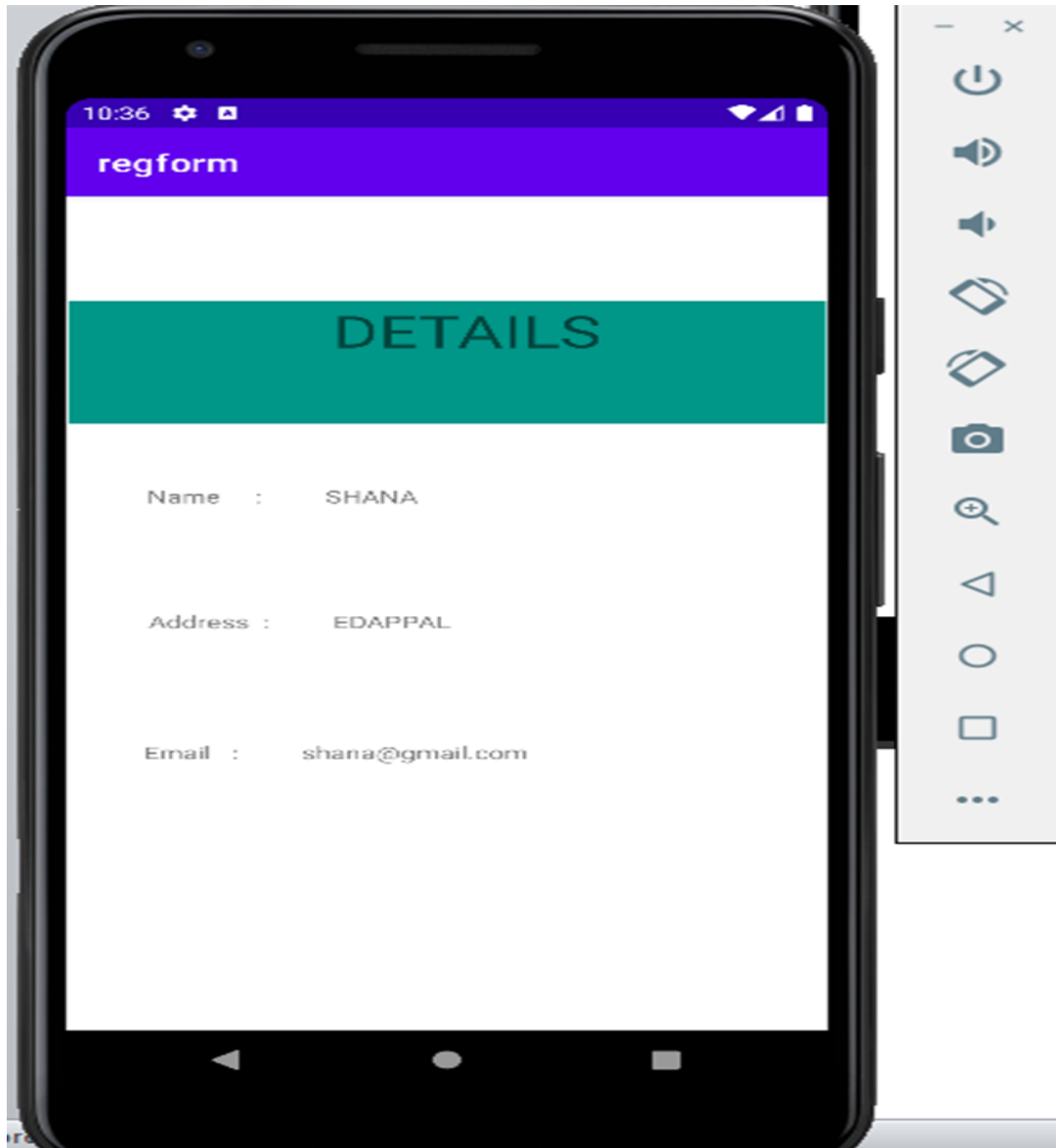
        Intent intent = getIntent();
```

```
// receive the value by getStringExtra() method  
// and key must be same which is send by first activity  
String str = intent.getStringExtra("Value1");  
String str1 = intent.getStringExtra("Value2");  
String str2 = intent.getStringExtra("Value3");  
  
// display the string into textView  
    t1.setText(str);  
    t2.setText(str1);  
    t3.setText(str2);  
}  
}
```

OUTPUT :

The image displays a mobile application interface for a registration form. The app's title bar is green and contains the text "regform". The status bar at the top shows the time as 10:36 and various system icons. The main content area has a light blue header with the text "REGISTRATION FORM". Below this, there are three input fields: "Name" with the value "SHANA", "Address" with the value "EDAPPAL", and "Email" with the value "shana@gmail.com". A green "SUBMIT" button is located at the bottom of the form. To the right of the phone screen, a vertical system menu is visible, containing icons for power, volume, rotation, camera, search, navigation, and other system functions.

REGISTRATION FORM	
Name	SHANA
Address	EDAPPAL
Email	shana@gmail.com
SUBMIT	



RESULT : Program has been succesfully executed and output is obtained.