PROGRAM NO:1

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

PROGRAM CODE:

```
//Design a registration activity and store registration details in local memory of phone
Mainac
               using Intents and SharedPreferences.
tivity.java
              package com.example.co2 q1;
              import androidx.appcompat.app.AppCompatActivity;
              import android.content.Intent;
              import android.content.SharedPreferences;
              import android.os.Bundle;
              import android.view.View;
              import android.widget.EditText;
              public class MainActivity extends AppCompatActivity {
                 String Name;
                 String Address;
                 String Phone;
                 String Email;
                 @Override
                 protected void onCreate(Bundle savedInstanceState) {
                   super.onCreate(savedInstanceState);
                   setContentView(R.layout.activity_main);
                 public void onSubmit(View view){
                   EditText name = (EditText) findViewById(R.id.name);
                   EditText add = (EditText) findViewById(R.id.add);
                   EditText phone = (EditText) findViewById(R.id.phone);
                   EditText email = (EditText) findViewById(R.id.email);
                   Intent i = new Intent(getApplicationContext(),MainActivity2.class);
                   Name= name.getText().toString();
                   Address = add.getText().toString();
                   Phone = phone.getText().toString();
                   Email = email.getText().toString();
                   SharedPreferences sharedPreferences =
              getSharedPreferences("MySharedPref",MODE_PRIVATE);
                   SharedPreferences.Editor myEdit = sharedPreferences.edit();
                   myEdit.putString("name", name.getText().toString());
                   myEdit.putString("add", add.getText().toString());
                   myEdit.putString("phone", phone.getText().toString());
                   myEdit.putString("email", email.getText().toString());
                   myEdit.apply();
                   i.putExtra("Name",Name);
                   i.putExtra("Address",Address);
                   i.putExtra("Phone",Phone);
                   i.putExtra("Email",Email);
                   startActivity(i);
                 }
                 @Override
                 protected void onResume() {
                   super.onResume();
```

```
EditText name = (EditText) findViewById(R.id.name);
                     EditText add = (EditText) findViewById(R.id.add);
                     EditText phone = (EditText) findViewById(R.id.phone);
                     EditText email = (EditText) findViewById(R.id.email);
                     SharedPreferences sh = getSharedPreferences("MySharedPref",
                MODE_PRIVATE);
                     name.setText(sh.getString("name",""));
                     add.setText(sh.getString("add",""));
                     phone.setText(sh.getString("phone",""));
                     email.setText(sh.getString("email",""));
Mainac
                       package com.example.co2_q1;
tivity2.java
                       import androidx.appcompat.app.AppCompatActivity;
                       import android.os.Bundle;
                       import android.widget.TextView;
                       public class MainActivity2 extends AppCompatActivity {
                          @Override
                          protected void onCreate(Bundle savedInstanceState) {
                            super.onCreate(savedInstanceState);
                            setContentView(R.layout.activity_main2);
                            TextView t1 = (TextView) findViewById(R.id.name2);
                            TextView t2 = (TextView) findViewById(R.id.add2);
                            TextView t3 = (TextView) findViewById(R.id.phone2);
                            TextView t4 = (TextView) findViewById(R.id.email2);
                            Bundle extras = getIntent().getExtras();
                            String name2 = extras.getString("Name");
                            String add2 = extras.getString("Address");
                            String phone2 = extras.getString("Phone");
                            String email2 = extras.getString("Email");
                            t1.setText(name2):
                            t2.setText(add2);
                            t3.setText(phone2);
                            t4.setText(email2);
                          }
                        }
```

```
activity
               <?xml version="1.0" encoding="utf-8"?>
main.xml
             <androidx.constraintlayout.widget.ConstraintLayout</p>
             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"
               android:background="#FFEB3B"
               tools:context=".MainActivity">
               <EditText
                 android:id="@+id/add"
                 android:layout_width="wrap_content"
                 android:layout_height="wrap_content"
                 android:ems="10"
                 android:hint="Address"
                 android:inputType="textPostalAddress"
                 app:layout_constraintBottom_toBottomOf="parent"
                 app:layout_constraintEnd_toEndOf="parent"
                 app:layout_constraintHorizontal_bias="1.0"
                 app:layout constraintStart toStartOf="parent"
                 app:layout_constraintTop_toTopOf="parent"
                 app:layout_constraintVertical_bias="0.412" />
               <EditText
                 android:id="@+id/email"
                 android:layout width="wrap content"
                 android:layout height="wrap content"
                 android:ems="10"
                 android:hint="Email"
                 android:inputType="textWebEmailAddress"
                 app:layout_constraintBottom_toBottomOf="parent"
                 app:layout_constraintEnd_toEndOf="parent"
                 app:layout constraintHorizontal bias="1.0"
                 app:layout_constraintStart_toStartOf="parent"
                 app:layout constraintTop toTopOf="parent"
                 app:layout_constraintVertical_bias="0.661" />
               <EditText
                 android:id="@+id/phone"
                 android:layout_width="wrap_content"
                 android:layout height="wrap content"
                 android:ems="10"
                 android:hint="Phone"
                 android:inputType="phone"
                 app:layout_constraintBottom_toBottomOf="parent"
                 app:layout_constraintEnd_toEndOf="parent"
                 app:layout_constraintHorizontal_bias="1.0"
                 app:layout_constraintStart_toStartOf="parent"
                 app:layout_constraintTop_toTopOf="parent"
                 app:layout_constraintVertical_bias="0.529" />
               <TextView
                 android:id="@+id/t1"
                 android:layout_width="132dp"
                 android:layout_height="30dp"
                 android:text="Name"
                 android:textAlignment="center"
                 android:textStyle="bold"
```

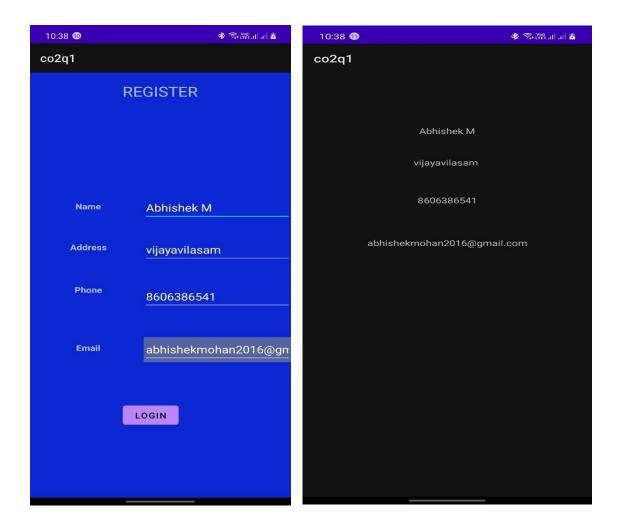
```
app:layout_constraintBottom_toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.093"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout_constraintVertical_bias="0.313" />
<TextView
  android:id="@+id/t4"
  android:layout_width="132dp"
  android:layout height="30dp"
  android:text="Email"
  android:textAlignment="center"
  android:textStyle="bold"
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.093"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout constraintVertical bias="0.659"/>
<TextView
  android:id="@+id/t2"
  android:layout width="132dp"
  android:layout_height="30dp"
  android:text="Address"
  android:textAlignment="center"
  android:textStyle="bold"
  app:layout constraintBottom toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.093"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout_constraintVertical_bias="0.413" />
<TextView
  android:layout_width="230dp"
  android:layout_height="37dp"
  android:text="REGISTER"
  android:textAlignment="center"
  android:textSize="24sp"
  app:layout constraintBottom toBottomOf="parent"
  app:layout_constraintHorizontal_bias="0.497"
  app:layout_constraintLeft_toLeftOf="parent"
  app:layout_constraintRight_toRightOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout_constraintVertical_bias="0.023" />
<TextView
  android:id="@+id/t3"
  android:layout_width="132dp"
  android:layout_height="30dp"
  android:text="Phone"
  android:textAlignment="center"
  android:textStyle="bold"
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.093"
  app:layout_constraintStart_toStartOf="parent"
```

app:layout_constraintTop_toTopOf="parent"

```
app:layout_constraintVertical_bias="0.517" />
                  <EditText
                    android:id="@+id/name"
                    android:layout width="wrap content"
                    android:layout_height="wrap_content"
                    android:ems="10"
                    android:hint="Name"
                    android:inputType="textPersonName"
                    app:layout constraintBottom toBottomOf="parent"
                    app:layout constraintEnd toEndOf="parent"
                    app:layout constraintHorizontal bias="1.0"
                    app:layout_constraintStart_toStartOf="parent"
                    app:layout_constraintTop_toTopOf="parent"
                    app:layout_constraintVertical_bias="0.307" />
                  <Button
                    android:id="@+id/button"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_marginStart="144dp"
                    android:layout_marginTop="51dp"
                    android:layout_marginEnd="177dp"
                    android:layout_marginBottom="133dp"
                    android:onClick="onSubmit"
                    android:text="Login"
                    app:layout_constraintBottom_toBottomOf="parent"
                    app:layout_constraintEnd_toEndOf="parent"
                    app:layout constraintHorizontal bias="1.0"
                    app:layout_constraintStart_toStartOf="parent"
                    app:layout_constraintTop_toBottomOf="@+id/email"
                    app:layout_constraintVertical_bias="1.0"/>
               </androidx.constraintlayout.widget.ConstraintLayout>
Activity main2.
                       <?xml version="1.0" encoding="utf-8"?>
                       <androidx.constraintlayout.widget.ConstraintLayout
     xml
               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/name2"
                           android:layout_width="239dp"
                           android:layout_height="26dp"
                           android:text="TextView"
                           android:textAlignment="center"
                           app:layout_constraintBottom_toBottomOf="parent"
                           app:layout_constraintEnd_toEndOf="parent"
                           app:layout_constraintHorizontal_bias="0.498"
                           app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.128" />
  <TextView
    android:id="@+id/email2"
    android:layout_width="239dp"
    android:layout_height="26dp"
    android:text="TextView"
    android:textAlignment="center"
    app:layout constraintBottom toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout constraintStart toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.401" />
  <TextView
    android:id="@+id/add2"
    android:layout width="239dp"
    android:layout_height="26dp"
    android:text="TextView"
    android:textAlignment="center"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.205"/>
  <TextView
    android:id="@+id/phone2"
    android:layout_width="239dp"
    android:layout_height="26dp"
    android:text="TextView"
    android:textAlignment="center"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintStart toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.297" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

OUTPUT:



RESULT

Program Has Been Succesfully Executed And Output Is Obtained.