

## PROGRAM 4

**AIM:** Implement Options Menu to navigate to activities.

MainActivity.java	<pre>package com.example.option;  import androidx.appcompat.app.AppCompatActivity;  import android.os.Bundle; import androidx.annotation.NonNull; import android.content.Intent; import android.view.Menu; import android.view.MenuInflater; import android.view.MenuItem;  public class MainActivity extends AppCompatActivity {      @Override     protected void onCreate(Bundle savedInstanceState) {         super.onCreate(savedInstanceState);         setContentView(R.layout.activity_main);     }      @Override     public boolean onCreateOptionsMenu(Menu menu)     {         MenuInflater i= getMenuInflater();         i.inflate(R.menu.menu_option,menu);         return true;         // return super.onCreateOptionsMenu(menu);     }      @Override     public boolean onOptionsItemSelected(@NonNull MenuItem item)     {         int id=item.getItemId();         if(id==R.id.action_contact)         {             Intent contactintent=new Intent(MainActivity.this,contact.class);             startActivity(contactintent);         }         if(id==R.id.action_settings)         {             Intent settingsintent=new</pre>
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	<pre> Intent(MainActivity.this,settings.class);     startActivity(settingsintent);     }     if (id==R.id.action_help)     {         Intent helpintent=new Intent(MainActivity.this,help.class);         startActivity(helpintent);     }     if(id==R.id.action_share)     {         Intent shareintent=new Intent(MainActivity.this,share.class);         startActivity(shareintent);     }     return super.onOptionsItemSelected(item);      } } </pre>
contact.java	<pre> package com.example.option; import androidx.appcompat.app.AppCompatActivity; import android.os.Bundle;  public class contact extends AppCompatActivity {      @Override     protected void onCreate(Bundle savedInstanceState) {         super.onCreate(savedInstanceState);         setContentView(R.layout.activity_contact);     } } </pre>
help.java	<pre> package com.example.option;  import androidx.appcompat.app.AppCompatActivity;  import android.os.Bundle;  public class help extends AppCompatActivity {      @Override     protected void onCreate(Bundle savedInstanceState) {         super.onCreate(savedInstanceState);         setContentView(R.layout.activity_help);     } } </pre>

settings.java	<pre> package com.example.option;  import androidx.appcompat.app.AppCompatActivity;  import android.os.Bundle;  public class settings extends AppCompatActivity {      @Override     protected void onCreate(Bundle savedInstanceState) {         super.onCreate(savedInstanceState);         setContentView(R.layout.activity_settings);     } } </pre>
share.java	<pre> package com.example.option;  import androidx.appcompat.app.AppCompatActivity;  import android.os.Bundle;  public class share extends AppCompatActivity {      @Override     protected void onCreate(Bundle savedInstanceState) {         super.onCreate(savedInstanceState);         setContentView(R.layout.activity_share);     } } </pre>

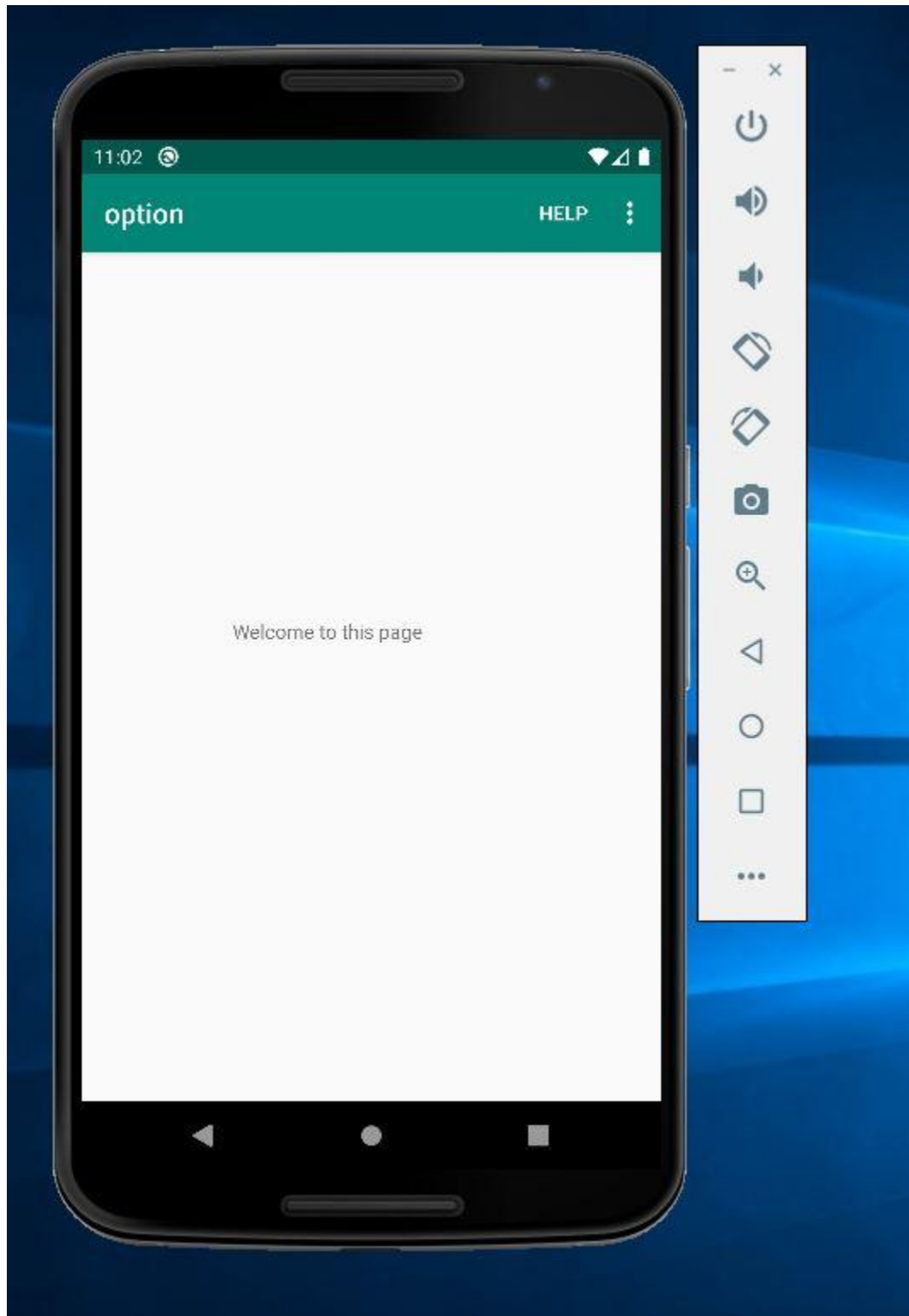
activity_main.xml	<pre> &lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android" xmlns:app="http://schemas.android.com/apk/res-auto" xmlns:tools="http://schemas.android.com/tools" android:layout_width="match_parent" android:layout_height="match_parent" tools:context=".MainActivity"&gt;  &lt;TextView     android:id="@+id/textView" </pre>
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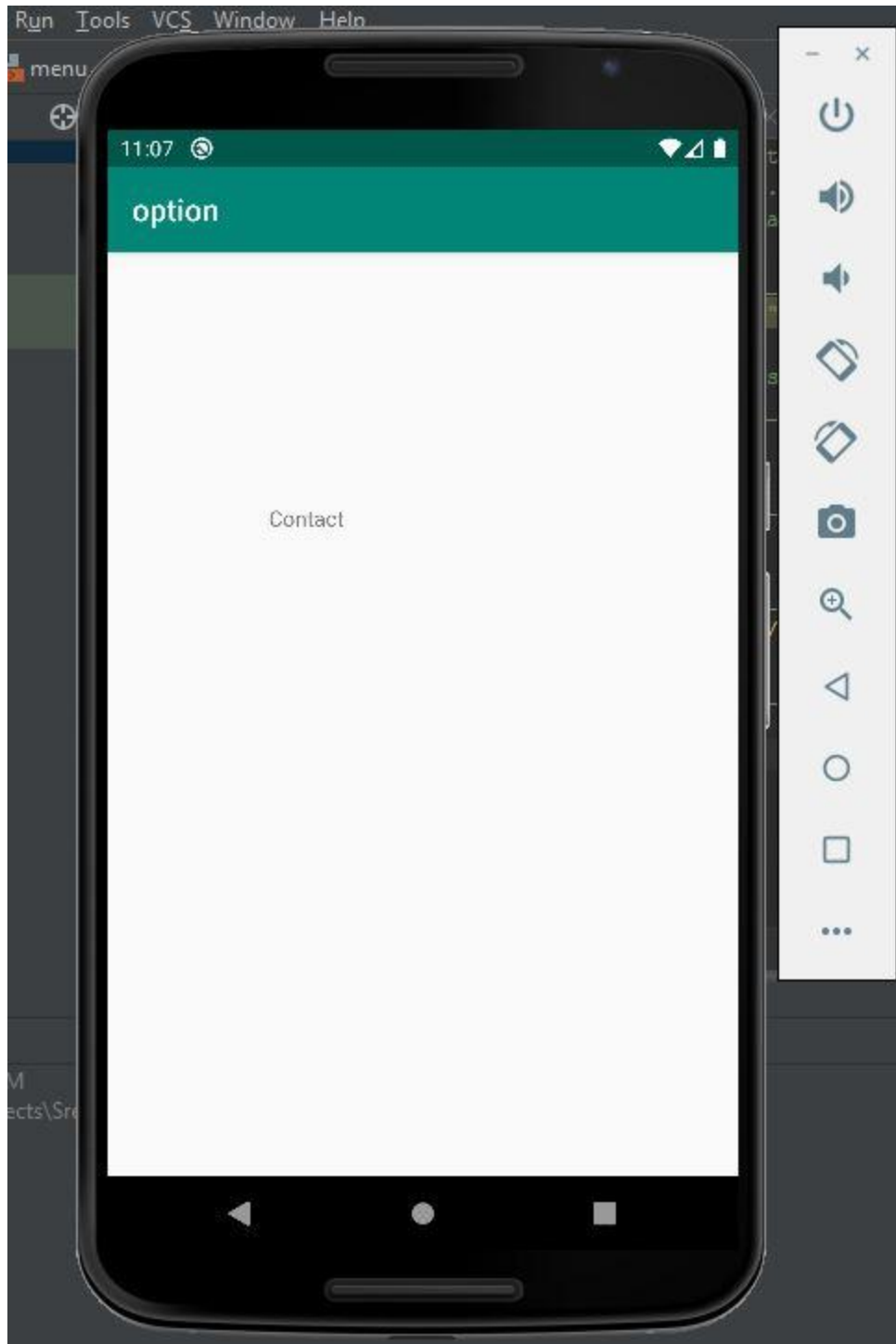
	<pre>         android:layout_width="197dp"         android:layout_height="84dp"         android:text="Welcome to this page"         app:layout_constraintBottom_toBottomOf="parent"         app:layout_constraintEnd_toEndOf="parent"         app:layout_constraintStart_toStartOf="parent"         app:layout_constraintTop_toTopOf="parent" /&gt; &lt;/androidx.constraintlayout.widget.ConstraintLayout&gt; </pre>
activity_contact.xml	<pre> &lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;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=".contact"&gt; &lt;TextView     android:id="@+id/textView2"     android:layout_width="172dp"     android:layout_height="45dp"     android:text="Contact"     app:layout_constraintBottom_toBottomOf="parent"     app:layout_constraintEnd_toEndOf="parent"     app:layout_constraintHorizontal_bias="0.439"     app:layout_constraintStart_toStartOf="parent"     app:layout_constraintTop_toTopOf="parent"     app:layout_constraintVertical_bias="0.294" /&gt;  &lt;/androidx.constraintlayout.widget.ConstraintLayout&gt; </pre>
activity_help.xml	<pre> &lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;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=".help"&gt;  &lt;TextView     android:id="@+id/textView2"     android:layout_width="172dp"     android:layout_height="45dp"     android:text="Help"     app:layout_constraintBottom_toBottomOf="parent" </pre>

	<pre> app:layout_constraintEnd_toEndOf="parent" app:layout_constraintHorizontal_bias="0.439" app:layout_constraintStart_toStartOf="parent" app:layout_constraintTop_toTopOf="parent" app:layout_constraintVertical_bias="0.294" /&gt; &lt;/androidx.constraintlayout.widget.ConstraintLayout&gt; </pre>
activity_settings.xml	<pre> &lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;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=".settings"&gt; &lt;TextView     android:id="@+id/textView2"     android:layout_width="172dp"     android:layout_height="45dp"     android:text="Settings"     app:layout_constraintBottom_toBottomOf="parent"     app:layout_constraintEnd_toEndOf="parent"     app:layout_constraintHorizontal_bias="0.439"     app:layout_constraintStart_toStartOf="parent"     app:layout_constraintTop_toTopOf="parent"     app:layout_constraintVertical_bias="0.294" /&gt;  &lt;/androidx.constraintlayout.widget.ConstraintLayout&gt; </pre>
activity_share.xml	<pre> &lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;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=".share"&gt; &lt;TextView     android:id="@+id/textView2"     android:layout_width="172dp"     android:layout_height="45dp"     android:text="Share"     app:layout_constraintBottom_toBottomOf="parent"     app:layout_constraintEnd_toEndOf="parent"     app:layout_constraintHorizontal_bias="0.439"     app:layout_constraintStart_toStartOf="parent" </pre>

	<pre> app:layout_constraintTop_toTopOf="parent" app:layout_constraintVertical_bias="0.294" /&gt;  &lt;/androidx.constraintlayout.widget.ConstraintLayout&gt; </pre>
menu_option.xml	<pre> &lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;menu xmlns:app="http://schemas.android.com/apk/res-auto" xmlns:android="http://schemas.android.com/apk/res/android"&gt;   &lt;item     android:id="@+id/action_settings"     android:title="settings"/&gt;   &lt;item     app:showAsAction="always"     android:id="@+id/action_help"     android:title="help"/&gt;   &lt;item     android:id="@+id/action_home"     android:title="home"/&gt;   &lt;item     android:id="@+id/action_contact"     android:title="contact"/&gt;   &lt;item     android:id="@+id/action_share"     android:title="share"/&gt; &lt;/menu&gt; </pre>

## OUTPUT





## **RESULT**

Program has been successfully executed and output is obtained.