

### Program Number 1

Hello world program (Write a program to Toast Hello World)

#### MainActivity.java

```
package com.example.hello;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.widget.Button;
import android.widget.Toast;
import android.view.View;
import android.view.View.OnClickListener;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        Button b=(Button)findViewById(R.id.button) ;
        b.setOnClickListener(new OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(getApplicationContext(), "Hello World",
                Toast.LENGTH_SHORT).show();
            }
        });
    }
}
```

### activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
tools:context=".MainActivity">

    <Button
        android:id="@+id/button"
        android:text="Print"
    </androidx.constraintlayout.widget.ConstraintLayout>
```

---

### Program number 2

Addition of two Numbers (Write a program to add two numbers)

### MainActivity.java

```
package com.example.sum;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    TextView t1;
    Button b1;
    EditText e1;
    EditText e2;
```

### **@Override**

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);  
  
    e1=(EditText) findViewById(R.id.e1);  
    e2=(EditText) findViewById(R.id.e2);  
    t1=(TextView)findViewById(R.id.t1);  
    b1=(Button)findViewById(R.id.b1);  
    b1.setOnClickListener(new View.OnClickListener() {  
        @Override  
        public void onClick(View view)  
        {  
            int a = Integer.parseInt(e1.getText().toString());  
            int b = Integer.parseInt(e2.getText().toString());  
            int c=a+b;  
            t1.setText("Answer = " +String.valueOf(c));  
        }  
    });  
}
```

### **activity\_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
    tools:context=".MainActivity">  
  
    <EditText  
        android:id="@+id/e1"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:inputType="number" />
```

```
<EditText
    android:id="@+id/e2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:inputType="number" />

<Button
    android:id="@+id/b1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Add"/>

<TextView
    android:id="@+id/t1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"/>
</androidx.constraintlayout.widget.ConstraintLayout>
```

---

### **Program Number 3**

Alert Box (Write a program to Display an alert box with OK and Cancel)

#### **MainActivity.java**

```
package com.example.alert;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.app.AlertDialog;
import android.content.DialogInterface;
import android.widget.Button;
import android.view.View ;
```

```

public class MainActivity extends AppCompatActivity {
    public static Button button;

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

    public void dialogevent(View view) {
        b = (Button) findViewById(R.id.button);
        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                AlertDialog.Builder dial = new AlertDialog.Builder(MainActivity.this);
                dial.setMessage("Do you want to
quit?").setCancelable(false).setPositiveButton("Yes", new
DialogInterface.OnClickListener() {
                    @Override
                    public void onClick(DialogInterface dialog, int which) {
                        finish();
                    }
                })
                .setNegativeButton("No", new DialogInterface.OnClickListener() {
                    @Override
                    public void onClick(DialogInterface dialog, int which) {
                        dialog.cancel();
                    }
                });
                AlertDialog alert = dial.create();
                alert.setTitle("Alert Box");
                alert.show();
            }
        });
    }
}

```

```
    });  
  }  
}
```

### **Activity\_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
tools:context=".MainActivity">  
  
    <Button  
        android:id="@+id/button"  
        android:onClick="dialogevent"  
        android:text="Exit"  
    </androidx.constraintlayout.widget.ConstraintLayout>
```

---

### **Program Number 4**

Menu program (Write a program to create menu with 3 menu items)

#### **MainActivity.java**

```
package com.example.menu;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
  
import android.view.Menu;  
import android.view.MenuInflater;  
import android.view.MenuItem;  
import android.widget.Toast;  
  
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 inflater=getMenuInflater();
    inflater.inflate(R.menu.example_menu,menu);
    return true;
}

```

**@Override**

```

public boolean onOptionsItemSelected (MenuItem item)
{
    switch(item.getItemId()){
        case R.id.item1 :
            Toast.makeText(this,"Item 1 selected",Toast.LENGTH_SHORT).show();
            return true;
        case R.id.item2 :
            Toast.makeText(this,"Item 2 selected",Toast.LENGTH_SHORT).show();
            return true;
        case R.id.item3 :
            Toast.makeText(this,"Item 3 selected",Toast.LENGTH_SHORT).show();
            return true;
        default:
            return super.onOptionsItemSelected(item);
    }
}
}

```

**example\_menu.xml**

```

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

```

```
<menu xmlns:android="http://schemas.android.com/apk/res/android">

    <item android:id="@+id/item1"
        android:title="Item1" />

    <item android:id="@+id/item2"
        android:title="Item2" />

    <item android:id="@+id/item3"
        android:title="Item3" />

</menu>
```

---

### **Program Number 5**

RadioButton (Write a program to select gender using radio button)

#### **MainActivity.java**

```
package com.example.radio;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    RadioGroup rg;
    RadioButton rb;
    Button b;
```



```

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

    rg = (RadioGroup) findViewById(R.id.radio);
    b = (Button) findViewById(R.id.button);
    b.setOnClickListener(new OnClickListener() {
        @Override
        public void onClick(View v) {
            int selectedId = rg.getCheckedRadioButtonId();
            rb = (RadioButton) findViewById(selectedId);
            Toast.makeText(MainActivity.this, rb.getText(),
Toast.LENGTH_SHORT).show();
        }
    });
}
}

```

### Activity\_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
tools:context=".MainActivity">

    <RadioGroup
        android:id="@+id/radio"
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <RadioButton
            android:id="@+id/male"
            android:checked="true"
            android:text="Male" />
    
```

```
<RadioButton
    android:id="@+id/demale"
    android:text="Female" />
</RadioGroup>

<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Submit" />

<TextView
    android:id="@+id/textView"
    android:text="Select Gender" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

---

## **Program Number 6**

Spinner (Write a program to spin the four items)

### **MainActivity.java**

```
package com.example.spinner;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Spinner;
import android.widget.Toast;
```

```

public class MainActivity extends AppCompatActivity implements
AdapterView.OnItemSelectedListener{
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        Spinner spinner =(Spinner)findViewById(R.id.spinner);
        ArrayAdapter<CharSequence>adapter=ArrayAdapter.createFromResource(this,
            R.array.district,android.R.layout.simple_spinner_item);
        adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinner.setAdapter(adapter);
        spinner.setOnItemSelectedListener(this);
    }

    @Override
    public void onItemSelected(AdapterView<?> parent, View view, int position,long id)
    {
        String text=parent.getItemAtPosition(position).toString();
        Toast.makeText(parent.getContext() ,text, Toast.LENGTH_SHORT).show();
    }
}

```

### Activity\_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    tools:context=".MainActivity">

    <Spinner
        android:id="@+id/spinner"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" />

```

```
<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Select District: "/>

</androidx.constraintlayout.widget.ConstraintLayout>
```

### **Strings.xml**

```
<resources>
    <string name="app_name">Spinner</string>
    <string-array name="district">
        <item>Kozhikode</item>
        <item>Kannur</item>
        <item>Malappuram</item>
        <item>Thrissur</item>
    </string-array>
</resources>
```

---

## **Program Number 7**

CheckBox(Write a program to check the items listed)

### **MainActivity.java**

```
package com.example.checkbox;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.view.View;
import android.view.View.OnClickListener;
```

```

import android.widget.Button;
import android.widget.CheckBox;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    CheckBox english,malayalam,hindi;
    Button b;

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

        english=(CheckBox) findViewById(R.id.c1);
        malayalam = (CheckBox) findViewById(R.id.c2);
        hindi = (CheckBox) findViewById(R.id.c3);
        b= (Button) findViewById(R.id.button);
        b.setOnClickListener(new OnClickListener() {
            @Override
            public void onClick(View v) {
                StringBuffer s = new StringBuffer();
                if(english.isChecked()){
                    s.append("English ");
                }
                if(malayalam.isChecked()){
                    s.append("\nMalayalam ");
                }
                if(hindi.isChecked()){
                    s.append("\nHindi ");
                }
                Toast.makeText(MainActivity.this, s.toString(),Toast.LENGTH_LONG).show();
            }
        });
    }
}

```

```
}
```

### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
tools:context=".MainActivity">

    <CheckBox
        android:id="@+id/c1"
        android:text="English" />

    <CheckBox
        android:id="@+id/c2"
        android:text="Malayalam"/>

    <CheckBox
        android:id="@+id/c3"
        android:text="Hindi" />

    <TextView
        android:id="@+id/t1"
        android:text="Languages known :" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Submit" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

---

### Program Number 8

Image View(Write a program to Display images from local drive of the computer)

### MainActivity.java

```
package com.example.imageview;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.widget.Button;
import android.widget.ImageView;
import android.view.View;

public class MainActivity extends AppCompatActivity implements
View.OnClickListener {
    Button b1,b2,b3;
    ImageView image;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        addListenerOnButton();
    }

    public void addListenerOnButton() {
        image = (ImageView) findViewById(R.id.imageView);
        b1 = (Button) findViewById(R.id.button1);
        b2 = (Button) findViewById(R.id.button2);
        b3 = (Button) findViewById(R.id.button3);
        b1.setOnClickListener(this);
        b2.setOnClickListener(this);
        b3.setOnClickListener(this);
    }
}
```

### @Override

```
public void onClick(View v) {  
    switch(v.getId()){  
        case R.id.button1:  
            image.setBackgroundResource(R.drawable.image1);break;  
        case R.id.button2:  
            image.setBackgroundResource(R.drawable.image2);break;  
        case R.id.button3:  
            image.setBackgroundResource(R.drawable.image3);break;  
        default: break;  
    }  
}  
}
```

### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
    tools:context=".MainActivity">  
  
    <ImageView  
        android:id="@+id/imageView1"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:src="@drawable/inspire" />  
  
    <Button  
        android:id="@+id/button1"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:text="Button1"/>  
  
    <Button
```



```
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Button2"/>

<Button
    android:id="@+id/button3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Button3"/>
</androidx.constraintlayout.widget.ConstraintLayout>
```

---

## **Program Number 9**

List View (Write a program to display the items in a list)

### **MainActivity.java**

```
package com.example.list;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    ListView lst;
```

```
String[] months = {"January", "Feb", "March", "April", "May", "June", "July",  
"August", "September", "October", "November", "December"};
```

**@Override**

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);  
  
    lst = (ListView) findViewById(R.id.l1);  
    ArrayAdapter<String> arrayadapter = new ArrayAdapter<String>(this,  
android.R.layout.simple_list_item_1,months);  
    lst.setAdapter(arrayadapter);  
    lst.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
        @Override  
  
        public void onItemClick(AdapterView<?> parent, View view, int position, long id)  
        {  
            TextView tv = (TextView) view;  
            Toast.makeText(MainActivity.this,tv.getText(),Toast.LENGTH_LONG).show();  
        }  
    });  
}
```

### **Activity\_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
    tools:context=".MainActivity">  
  
    <ListView  
        android:id="@+id/l1"  
        android:layout_width="match_parent"
```

```
        android:layout_height="match_parent"
    </androidx.constraintlayout.widget.ConstraintLayout>
```

---

## **Program Number 10**

Fetch data from an EditText and display it in a TextView

### **MainActivity.java**

```
package com.example.fetch;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    Button b;
    EditText text1;
    TextView t1;

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

        b=(Button)findViewById(R.id.button);
        t1=(TextView)findViewById(R.id.t1);
        b.setOnClickListener(new View.OnClickListener() {
            @Override
```

```

        public void onClick(View v) {
            text1= (EditText)findViewById(R.id.editText);
            t1.setText(text1.getText().toString());
        }
    });
}
}

```

### **Activity\_main.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
tools:context=".MainActivity">

    <EditText
        android:id="@+id/editText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:inputType="textPersonName"/>

    <Button
        android:id="@+id/button"
        android:text="Button" />

    <TextView
        android:id="@+id/textView" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

---

### **Program Number 11**

Write a program to display the multiplication table of a given number.

## MainActivity.java

```
package com.example.multiplication;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
    EditText editText;
    Button button;
    TextView result;
    int ans=0;
```

### @Override

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

```
    editText=(EditText)findViewById(R.id.editText);
    b=(Button)findViewById(R.id.button);
    result=(TextView)findViewById(R.id.textView);
    b.setOnClickListener(new OnClickListener() {
```

### @Override

```
    public void onClick(View v) {
        StringBuffer buffer = new StringBuffer();
        String fs=editText.getText().toString();
        int n = Integer.parseInt(fs);
        for (int i = 1; i <= 10; i++) {
            ans = (i * n);
```

```

        buffer.append(i + " * " + n + " = " + ans + "\n");
        result.setText(buffer);
    }
}
});
}
}

```

### Activity\_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <EditText
        android:id="@+id/editText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:inputType="number" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Button"/>

</androidx.constraintlayout.widget.ConstraintLayout>

```

## Program Number 12

Write a program to get IP Address of the device

### MainActivity.java

```
package com.example.getip;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.net.wifi.WifiManager;
import android.text.format.Formatter;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    Button b;
    TextView textview;

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

        b=(Button)findViewById(R.id.button);
        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                textview = (TextView) findViewById(R.id.textView);
                WifiManager wifiManager =
(WifiManager)getApplicationContext().getSystemService(WIFI_SERVICE);
                String ipAddress=
                Formatter.formatIpAddress(wifiManager.getConnectionInfo().getIpAddress());
```

```

        textView.setText("Your Device IP Address: " + ipAddress);
    }
});
}
}

```

### **Activity\_main.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    tools:context=".MainActivity">

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Get IP Address"/>

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

---

### **Program Number 13**

Write a program to change the background color of the activity

#### **MainActivity.java**

```

package com.example.backcolor;
import androidx.appcompat.app.AppCompatActivity;

```



```

import android.os.Bundle;

import android.graphics.Color;
import android.view.View;
import android.widget.Button;
import android.widget.RelativeLayout;

public class MainActivity extends AppCompatActivity {
    Button b;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        final RelativeLayout r1 = (RelativeLayout)findViewById(R.id.rl);
        b = (Button)findViewById(R.id.button);
        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View arg0) {
                r1.setBackgroundColor(Color.YELLOW);
            }
        });
    }
}

```

### **Activity\_main.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    tools:context=".MainActivity">

    <RelativeLayout
        android:id="@+id/rl"
        android:layout_width="match_parent"

```

```
        android:layout_height="match_parent">

        <Button
            android:id="@+id/button"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Change Background Color" />
    </RelativeLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

---

## **Program Number 14**

Write a program to change the background image.

### **MainActivity.java**

```
package com.example.backimage;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import java.util.Random;
import android.view.View;
import android.widget.Button;

public class MainActivity extends AppCompatActivity {
    Button b;
    View screenview;
    int[] images;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
```

```

setContentView(R.layout.activity_main);

b=(Button)findViewById(R.id.button);
screenview=findViewById(R.id.v1);
images=new int[] {R.drawable.image1,R.drawable.image2};
b.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View v) {
        int arrlength = images.length;
        Random rand = new Random();
        int num = rand.nextInt(arrlength);
        screenview.setBackgroundResource(images[num]);
    }
});
}
}

```

### Activity\_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    tools:context=".MainActivity">

    <RelativeLayout
        android:id="@+id/v1"
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <Button
            android:id="@+id/button"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Change Background Image" />
    </RelativeLayout>

```

</androidx.constraintlayout.widget.ConstraintLayout>

---

## **Program Number 15**

Write a program to start another activity from your own activity using intent

### **MainActivity.java**

```
package com.example.intent;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.view.View;
import android.widget.Button;
import android.content.Intent;

public class MainActivity extends AppCompatActivity implements
View.OnClickListener {
    Button b;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b=findViewById(R.id.button);
        b.setOnClickListener(this);
    }

    @Override
    public void onClick(View v) {
        Intent i=new Intent(MainActivity.this,Main2Activity.class);
        startActivity(i);
    }
}
```

```
}  
}
```

### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
    android:background="@color/colorPrimary"  
    tools:context=".MainActivity">  
  
    <Button  
        android:id="@+id/button"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:text="Goto Second Activity" />  
</androidx.constraintlayout.widget.ConstraintLayout>
```

### Main2Activity.java

```
package com.example.intent;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
  
import android.view.View;  
import android.widget.Button;  
import android.content.Intent;  
  
public class MainActivity extends AppCompatActivity implements  
View.OnClickListener {  
    Button b;  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {
```

```
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
b=findViewById(R.id.button2);
b.setOnClickListener(this);
}
```

### @Override

```
public void onClick(View v) {
    Intent i=new Intent(Main2Activity.this,MainActivity.class);
    startActivity(i);
}
}
```

### Activity\_main2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    android:background="@color/colorAccent"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Goto First Activity" />
</androidx.constraintlayout.widget.ConstraintLayout>
```