

Passing data between activity

activity_main.xml

```
1    <?xml version="1.0" encoding="utf-8"?>
2    <LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
3        xmlns:app="http://schemas.android.com/apk/res-auto"
4        xmlns:tools="http://schemas.android.com/tools"
5        android:layout_width="match_parent"
6        android:layout_height="match_parent"
7        android:orientation="vertical"
8        android:padding="16dp"
9        tools:context=".MainActivity">
10
11    <TextView
12        android:layout_width="wrap_content"
13        android:layout_height="wrap_content"
14        android:text="This is first Activity"
15        android:textSize="25sp"
16        android:textColor="@android:color/black"
17        android:layout_gravity="center"
18        android:textStyle="bold"
19        android:layout_marginTop="30dp"/>
20
21    <EditText
22        android:id="@+id/edit_text1"
23        android:layout_width="match_parent"
```

```

24     android:layout_height="wrap_content"
25     android:hint="Enter First Name"
26     android:layout_marginTop="30dp"/>
27
28     <EditText
29         android:id="@+id/edit_text2"
30         android:layout_width="match_parent"
31         android:layout_height="wrap_content"
32         android:hint="Enter Last Name"
33         android:layout_marginTop="20dp"/>
34
35     <Button
36         android:id="@+id/button_submit"
37         android:layout_width="200dp"
38         android:layout_height="wrap_content"
39         android:text="submit"
40         android:layout_gravity="center"
41         android:layout_marginTop="30dp"
42         android:backgroundTint="@color/colorPrimary"
43         android:textColor="@android:color/white"/>
44
45 </LinearLayout>

```

2. second_activity.xml

```

1     <?xml version="1.0" encoding="utf-8"?>
2     <LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
3         xmlns:app="http://schemas.android.com/apk/res-auto"

```

```
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     android:background="#319E36"
8     android:orientation="vertical"
9     android:gravity="center_horizontal"
10    tools:context=".SecondActivity">
11
12    <TextView
13        android:layout_width="wrap_content"
14        android:layout_height="wrap_content"
15        android:text="This is second Activity"
16        android:textSize="25sp"
17        android:textColor="#FFFFFF"
18        android:textStyle="bold"
19        android:layout_marginTop="30dp"/>
20
21    <TextView
22        android:id="@+id/text_view1"
23        android:layout_width="wrap_content"
24        android:layout_height="wrap_content"
25        android:text="First Name"
26        android:textSize="20sp"
27        android:textColor="#FFFFFF"
28        android:layout_marginTop="100dp"/>
29
30    <TextView
```

```
31     android:id="@+id/text_view2"
32     android:layout_width="wrap_content"
33     android:layout_height="wrap_content"
34     android:text="Last Name"
35     android:textSize="20sp"
36     android:textColor="#FFFFFF"
37     android:layout_marginTop="15dp"/>
38
39     <Button
40         android:id="@+id/button_back"
41         android:layout_width="200dp"
42         android:layout_height="wrap_content"
43         android:text="back"
44         android:layout_marginTop="30dp"/>
45
46 </LinearLayout>
47
```

3. MainActivity.java

```
import androidx.appcompat.app.AppCompatActivity;
2
3     import android.content.Intent;
4     import android.os.Bundle;
5     import android.view.View;
6     import android.widget.Button;
7     import android.widget.EditText;
8     import android.widget.Toast;
9
```

```
10 public class MainActivity extends AppCompatActivity{
11
12     EditText editText1, editText2;
13     Button button;
14
15     @Override
16     protected void onCreate(Bundle savedInstanceState) {
17         super.onCreate(savedInstanceState);
18         setContentView(R.layout.activity_main);
19
20         editText1 = findViewById(R.id.edit_text1);
21         editText2 = findViewById(R.id.edit_text2);
22
23         button = findViewById(R.id.button_submit);
24
25         button.setOnClickListener(new View.OnClickListener() {
26             @Override
27             public void onClick(View v) {
28
29                 String fname = editText1.getText().toString().trim();
30                 String lname = editText2.getText().toString().trim();
31
32                 if (fname.equals("") || lname.equals("")) {
33                     Toast.makeText(getApplicationContext(), "Please fill all
the fields", Toast.LENGTH_SHORT).show();
34                 }
35                 else {
```

```
36         Intent intent = new
Intent(MainActivity.this,SecondActivity.class);
37         intent.putExtra("FNAME",fname);
38         intent.putExtra("LNAME",lname);
39         startActivity(intent);
40         finish();
41     }
42 }
43 });
44 }
45 }
46
```

4. SecondActivity.java

```
import androidx.appcompat.app.AppCompatActivity;

2
3 import android.content.Intent;
4 import android.os.Bundle;
5 import android.view.View;
6 import android.widget.Button;
7 import android.widget.TextView;
8
9 public class SecondActivity extends AppCompatActivity {
10
11     TextView textView1, textView2;
12     Button button;
13
14     @Override
```

```
15     protected void onCreate(Bundle savedInstanceState) {
16         super.onCreate(savedInstanceState);
17         setContentView(R.layout.activity_second);
18
19         textView1 = findViewById(R.id.text_view1);
20         textView2 = findViewById(R.id.text_view2);
21         button = findViewById(R.id.button_back);
22
23         Bundle bundle= getIntent().getExtras();
24         assert bundle != null;
25         String firstName= bundle.getString("FNAME");
26         String lastName=bundle.getString("LNAME");
27
28         textView1.setText("First Name: "+firstName);
29         textView2.setText("Last Name: "+lastName);
30
31         button.setOnClickListener(new View.OnClickListener() {
32             @Override
33             public void onClick(View v) {
34                 Intent intent=new
Intent(SecondActivity.this,MainActivity.class);
35                 startActivity(intent);
36                 finish();
37             }
38         });
39     }
40 }
```

