

## Mobile Application Development

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### APPLICATION FOR EXPLICIT INTENT:

#### 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">

    <EditText
        android:id="@+id/editTextTextPersonName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="128dp"
        android:ems="10"
        android:inputType="textPersonName"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/editTextTextPersonName2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="70dp"
        android:ems="10"
        android:inputType="textPersonName"
        app:layout_constraintStart_toStartOf="@+id/editTextTextPersonName"
        app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="85dp"
        android:text="SEND"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName2" />
```

```

<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="76dp"
    android:layout_marginEnd="24dp"
    android:hint="Result"
    app:layout_constraintEnd_toEndOf="@+id/button"
    app:layout_constraintTop_toBottomOf="@+id/button" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

## MAIN ACTIVITY.JAVA:

```

package com.example.exercise7;

import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
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 {

    EditText e1,e2;
    Button b;
    TextView t;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        e1=findViewById(R.id.editTextTextPersonName);
        e2=findViewById(R.id.editTextTextPersonName2);
        b=findViewById(R.id.button);
        t=findViewById(R.id.textView);
        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i=new Intent(getApplicationContext(),MainActivity2.class);
                i.putExtra("x",Integer.parseInt(e1.getText().toString()));
                i.putExtra("y",Integer.parseInt(e2.getText().toString()));
                startActivityForResult(i,1);
            }
        });
    }
}

```

```

    }
    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if(requestCode==1){
            if(resultCode==RESULT_OK){
                int result=data.getIntExtra("result",0);
                t.setText(String.valueOf(result));
            }
        }
    }
}

```

#### 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/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="62dp"
        android:text="Result"
        app:layout_constraintBottom_toTopOf="@+id/editTextTextPersonName3"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent" />

    <EditText
        android:id="@+id/editTextTextPersonName3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="177dp"
        android:layout_marginEnd="87dp"
        android:ems="10"
        android:inputType="textPersonName"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Button

```

```

        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="81dp"
        android:layout_marginEnd="37dp"
        android:text="Send result"
        app:layout_constraintEnd_toEndOf="@+id/editTextTextPersonName3"
        app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName3" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

## MAIN ACTIVITY2.JAVA:

```

package com.example.exercise7;

import androidx.appcompat.app.AppCompatActivity;

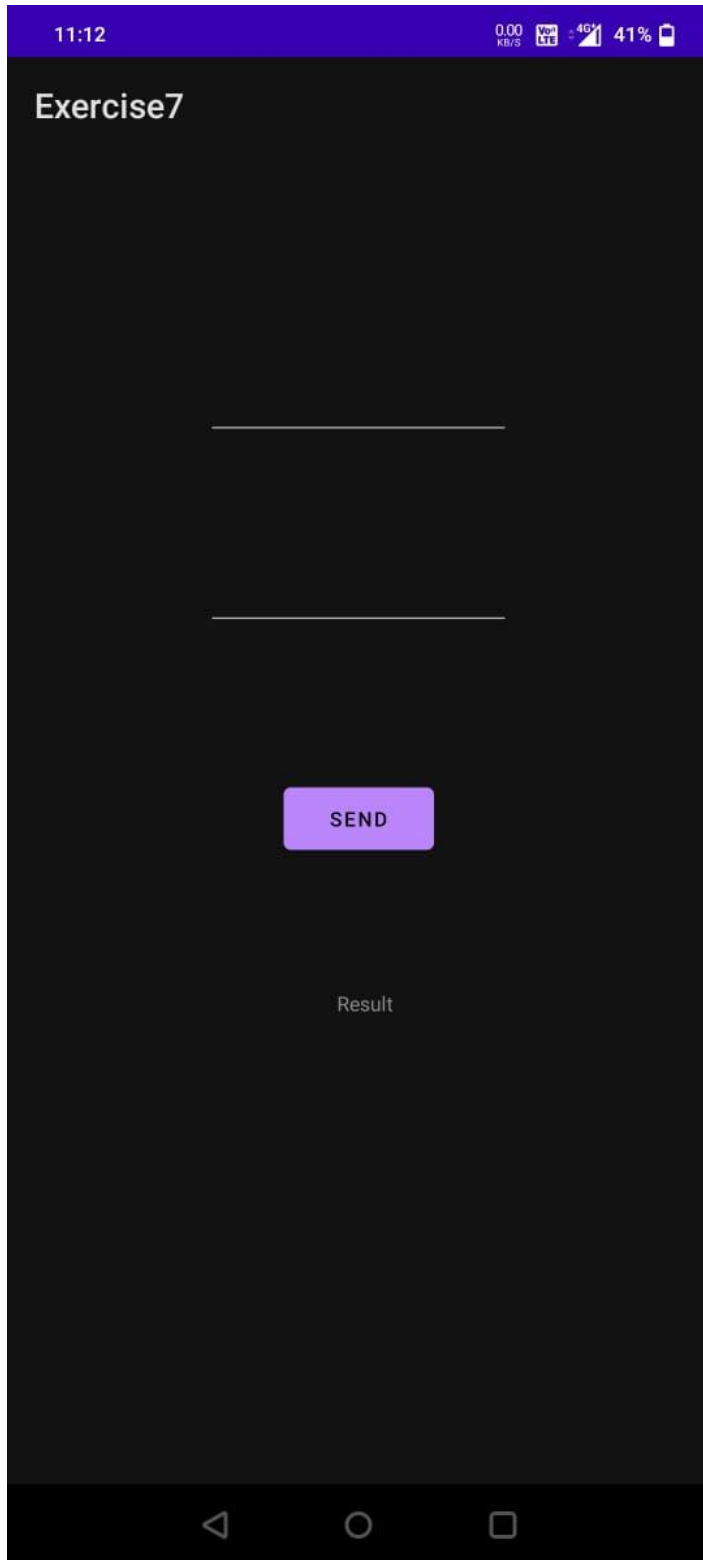
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity2 extends AppCompatActivity {
    int x,y,z;
    EditText e1;
    Button b;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        Intent in=getIntent();
        x=in.getIntExtra("x",0);
        y=in.getIntExtra("y",0);
        z=x+y;
        e1=findViewById(R.id.editTextTextPersonName3);
        e1.setText(String.valueOf(z));
        b=findViewById(R.id.button2);
        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent reply=new Intent();
                reply.putExtra("result",z);
                setResult(RESULT_OK,reply);
                finish();
            }
        });
    }
}

```

```
}  
}
```

OUTPUT:



11:12

0.00 KB/S 4G 41%

## Exercise7

5

10

SEND

Result

11:12

0.08 KB/S 4G 41%

## Exercise7

Result

15

SEND RESULT

