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Sub : Mobile Application Development

Assignment 8

Aim : Create an app that will pass two number to next activity and on next screen display sum of two numbers.

➤ .XML CODE 1

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

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="ADD OPERATION"
        android:fontFamily="serif"
        android:textSize="45dp"
        android:layout_centerHorizontal="true"
        android:textColor="#0C5298"
        android:layout_marginTop="40dp"
        android:id="@+id/t1"></TextView>

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/t1"
        android:layout_marginTop="100dp"
        android:hint="Enter number 1"
        android:inputType="number"
        android:id="@+id/n1"
        android:layout_marginLeft="50dp"
        android:layout_marginRight="50dp"></EditText>

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/n1"
        android:layout_marginTop="40dp"
        android:hint="Enter number 2"
        android:id="@+id/n2"
        android:inputType="number"
        android:layout_marginLeft="50dp"
```

```

        android:layout_marginRight="50dp"></EditText>

        <Button
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="ADD"
            android:layout_below="@+id/n2"
            android:layout_marginTop="80dp"
            android:layout_centerHorizontal="true"
            android:id="@+id/add"></Button>
    "
</RelativeLayout>

```

➤ .XML 2

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    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:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Addition of two no : "
        android:layout_marginTop="150dp"
        android:layout_marginLeft="45dp"
        android:textSize="35dp"
        android:id="@+id/TV1"
        android:textStyle="bold"></TextView>

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/TV1"
        android:layout_marginTop="100dp"
        android:text="=: "
        android:textSize="35dp"
        android:textColor="#123"
        android:layout_marginLeft="50dp"
        android:textStyle="bold"
        android:fontFamily="serif"></TextView>

    <TextView
        android:layout_width="300dp"
        android:layout_height="70dp"
        android:layout_below="@+id/TV1"
        android:textColor="#ffffff"
        android:textStyle="bold"
        android:textSize="40dp"
        android:layout_marginLeft="45dp"

```

```

        android:background="#123"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="100dp"
        android:gravity="center"

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

</RelativeLayout>

```

➤ .JAVA CODE

```

➤ package com.example.a8apk;

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 MainActivity extends AppCompatActivity {
    EditText n1,n2;
    Button b1;
    String no1;
    String no2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1 = (Button)findViewById(R.id.add);
        n1= (EditText)findViewById(R.id.n1);
        n2 = (EditText)findViewById(R.id.n2);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                no1 = n1.getText().toString().trim();
                no2 = n2.getText().toString().trim();
                Intent intent = new
Intent(MainActivity.this,MainActivity2.class);
                intent.putExtra("n1",no1);
                intent.putExtra("n2",no2);
                startActivity(intent);
            }
        });
    }
}

```

➤ .Java 2

```

package com.example.a8apk;

import androidx.appcompat.app.AppCompatActivity;

```

```
import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;

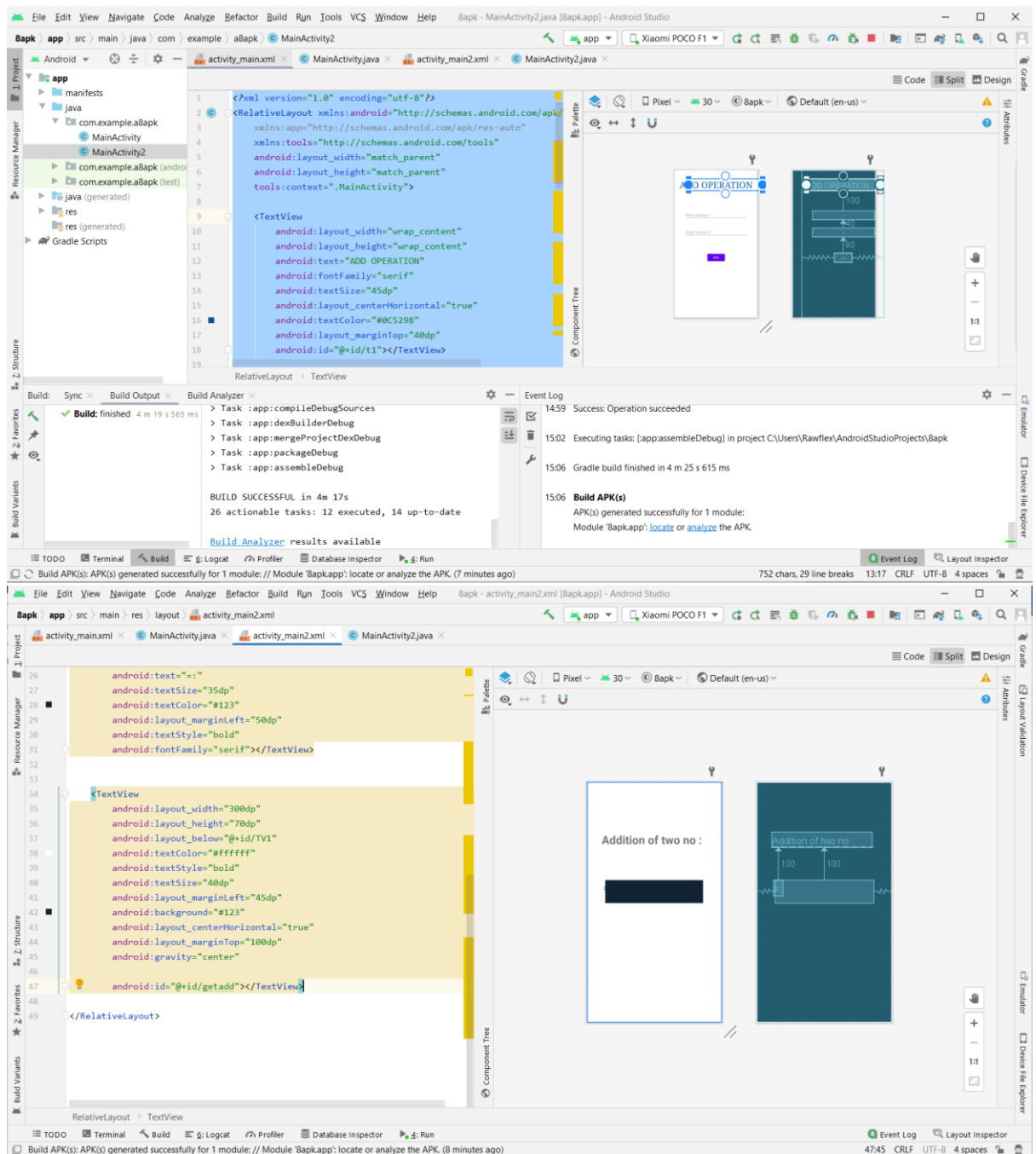
public class MainActivity2 extends AppCompatActivity {

    TextView t3;
    int no1,no2;
    int addition;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);

        t3= (TextView)findViewById(R.id.getadd);
        Intent intent = getIntent();
        String number1 = intent.getStringExtra("n1");
        String number2 = intent.getStringExtra("n2");
        no1 = Integer.parseInt(number1);
        no2 = Integer.parseInt(number2);

        t3.setText(""+(no1+no2));
    }
}
```

➤ SCREENSHOTS



15:12

4G+ 53

8apk

ADD OPERATION

12

54

ADD

1	2	3	-
4	5	6	=
7	8	9	✕
,	0	.	✓

15:12

4G+ 53

8apk

Addition of two no :

=:

66



sanket, you are beautiful

DISPLAY

sanket, you are beautiful