



Department of
Bachelor of Computer Applications

Android Operating System
Lab File – CA 02

Subject Code: 19BCA4C03L
Class: IInd Year IInd Semester

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Question 01 :

Program to Print Sum of 2 Numbers & Square of the Summation.

Code :

activity_main.xml

```
<?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">

    <EditText
        android:id="@+id/editText1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="80dp"
        android:ems="10"
        android:inputType="number"
        tools:layout_editor_absoluteX="84dp"
        tools:layout_editor_absoluteY="53dp" />

    <EditText
        android:id="@+id/editText2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/editText1"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="32dp"
        android:ems="10"
        android:inputType="number"
        tools:layout_editor_absoluteX="84dp"
        tools:layout_editor_absoluteY="127dp" />

    <Button
        android:id="@+id/button"
        android:layout_width="211dp"
        android:layout_height="70dp"
        android:layout_below="@+id/editText2"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="111dp"
        android:text="ADD Above Numbers and Square the Sum"
        tools:layout_editor_absoluteX="148dp"
        tools:layout_editor_absoluteY="266dp" />

</RelativeLayout>
```

MainActivity.java

```
package com.example.myapplication02;

import androidx.appcompat.app.AppCompatActivity;
import android.view.View;
import android.widget.*;
import android.os.Bundle;

public class MainActivity extends AppCompatActivity {
    private EditText editText1, editText2;
    private Button buttonSum;

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

    public void addListenerOnButton() {
        editText1 = (EditText) findViewById(R.id.editText1);
        editText2 = (EditText) findViewById(R.id.editText2);
        buttonSum = (Button) findViewById(R.id.button);

        buttonSum.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String value1=editText1.getText().toString();
                String value2=editText2.getText().toString();
                int a=Integer.parseInt(value1);
                int b=Integer.parseInt(value2);
                int sum=a+b;
                int sqr=sum*sum;

                Toast.makeText(getApplicationContext(),String.valueOf(sum),
                Toast.LENGTH_LONG).show();

                Toast.makeText(getApplicationContext(),String.valueOf(sqr),
                Toast.LENGTH_LONG).show();
            }
        });
    }
}
```

Output :

