

Java - experiment3/src/com/example/experiment3/MainActivity.java - ADT

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Package Explorer

- experiment3
  - src
  - gen [Generated Java Files]
  - Android 4.2
  - Android Dependencies
  - assets
  - bin
  - libs
  - res
    - drawable-hdpi
    - drawable-ldpi
    - drawable-mdpi
    - drawable-xhdpi
    - drawable-xxhdpi
    - layout
      - activity\_main.xml
    - menu
    - values
      - values-sw600dp
      - values-sw720dp-land
      - values-v11
      - values-v14
- AndroidManifest.xml
- ic\_launcher-web.png
- proguard-project.txt
- project.properties

activity\_main.xml

```
import android.os.Bundle;
import android.os.Bundle;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity {
    Button one, two, three, four;
    sub, mul, div, cancel, equal;
    EditText disp;
    int op1;
    int op2;
    String opr;

    @protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        one = (Button) findViewById(R.id.button1);
        two = (Button) findViewById(R.id.button2);
        three = (Button) findViewById(R.id.button3);
        four = (Button) findViewById(R.id.button4);
        sub = (Button) findViewById(R.id.button5);
        mul = (Button) findViewById(R.id.button6);
        div = (Button) findViewById(R.id.button7);
        cancel = (Button) findViewById(R.id.button8);
        equal = (Button) findViewById(R.id.button9);
        disp = (EditText) findViewById(R.id.editText1);

        try {
            one.setOnClickListener(this);
            two.setOnClickListener(this);
            three.setOnClickListener(this);
            four.setOnClickListener(this);
            sub.setOnClickListener(this);
            mul.setOnClickListener(this);
            div.setOnClickListener(this);
            cancel.setOnClickListener(this);
            equal.setOnClickListener(this);
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```

Problems | Javadoc | Declaration

Saved Filters

- All messages (no filters) (342)
- com.example.experiment3 (Session)

5554:realme

experiment3

Enter Number

Result: 48

7 8 9 /

4 5 6 \*

1 2 3 -

c 0 = +

Basic Controls

Hardware Buttons

DPAD not enabled in AVD

Hardware Keyboard

Use your physical keyboard to provide input

Java DDMS

Outline

- com.example.experiment3
- import declaration
- MainActivity
  - one : Button
  - two : Button
  - three : Button
  - four : Button
  - five : Button
  - six : Button
  - seven : Button
  - eight : Button
  - nine : Button
  - zero : Button
  - add : Button
  - sub : Button
  - mul : Button
  - div : Button
  - cancel : Button
  - equal : Button
  - disp : EditText
  - op1 : int
  - op2 : int
  - opr : String
  - onCreate(Bundle savedInstanceState)
  - operation() : void
  - onClick(View view)

verbose

GetEnabledTags: 0

GetEnabledTags: 0

100M of 362M

Java - experiments/src/com/example/experiments/MainActivity.java - ADT 5554:realme

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Package Explorer

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    - values-v11
    - values-v14
- AndroidManifest.xml
- ic\_launcher-web.png

activity\_main.xml

New Java Package

```
import android.widget.Button;
import android.widget.EditText;
public class MainActivity {
    Button one, two, three, four, five, six, seven, eight, nine, zero, add, sub, mul, div, cancel, equal;
    EditText disp;
    int op1;
    int op2;
    String optr;

    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        one = (Button) findViewById(R.id.button1);
        two = (Button) findViewById(R.id.button2);
        three = (Button) findViewById(R.id.button3);
        four = (Button) findViewById(R.id.button4);
        five = (Button) findViewById(R.id.button5);
        six = (Button) findViewById(R.id.button6);
        seven = (Button) findViewById(R.id.button7);
        eight = (Button) findViewById(R.id.button8);
        nine = (Button) findViewById(R.id.button9);
        zero = (Button) findViewById(R.id.button10);
        add = (Button) findViewById(R.id.button11);
        sub = (Button) findViewById(R.id.button12);
        mul = (Button) findViewById(R.id.button13);
        div = (Button) findViewById(R.id.button14);
        cancel = (Button) findViewById(R.id.button15);
        equal = (Button) findViewById(R.id.button16);
        disp = (EditText) findViewById(R.id.editText1);
    }
}
```

ANDROID

Basic Controls



Hardware Buttons



DPAD not enabled in



Hardware Keyboard  
Use your physical ke

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activity\_main.xml MainActivity.java

```
import android.os.Bundle;
import android.os.PowerManager;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity {
    Button one, two, three, four;
    sub, mul, div, cancel, equal;
    EditText disp;
    int op1;
    int op2;
    String optr;

    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        one = (Button) findViewById(R.id.one);
        two = (Button) findViewById(R.id.two);
        three = (Button) findViewById(R.id.three);
        four = (Button) findViewById(R.id.four);
        five = (Button) findViewById(R.id.five);
        six = (Button) findViewById(R.id.six);
        seven = (Button) findViewById(R.id.seven);
        eight = (Button) findViewById(R.id.eight);
        nine = (Button) findViewById(R.id.nine);
        zero = (Button) findViewById(R.id.zero);
        add = (Button) findViewById(R.id.add);
        sub = (Button) findViewById(R.id.sub);
        mul = (Button) findViewById(R.id.mul);
        div = (Button) findViewById(R.id.div);
        cancel = (Button) findViewById(R.id.cancel);
        equal = (Button) findViewById(R.id.equal);
        disp = (EditText) findViewById(R.id.disp);
        try {
            one.setOnClickListener(this);
            two.setOnClickListener(this);
            three.setOnClickListener(this);
            four.setOnClickListener(this);
            five.setOnClickListener(this);
            six.setOnClickListener(this);
            seven.setOnClickListener(this);
            eight.setOnClickListener(this);
            nine.setOnClickListener(this);
            zero.setOnClickListener(this);
            add.setOnClickListener(this);
            sub.setOnClickListener(this);
            mul.setOnClickListener(this);
            div.setOnClickListener(this);
            cancel.setOnClickListener(this);
            equal.setOnClickListener(this);
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```

Problems Javadoc Declaration

DDMS

```
at com.android.ddmutil
at java.lang.Thread.r
```

experiment3

5:01

Enter Number

7 8 9 /

4 5 6 \*

1 2 3 -

c 0 = +

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