

| Java 개인프로젝트

정연태

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FileEditSourceRefactorNavigateSearchProjectRunWindowHelp

Project Explorer

20481C4C5129F5A008
Calculator
JRE System Library [JavaSE-17]
src
le_go
Calculator.java
mk1.java
day01
day02
day03
day04
day05
day06
day07
day08
day09
day10
day11
day12
day13
day14
day15
exam
pr

Calculator.java

Calculator.java

Structure
Components
frame
getContentPane()
answer - "0"
btnDot - "."
btn0 - "0"
btnResult - "="
btnDiv - "/"
btnMul - "*"
btn3 - "3"
btn2 - "2"
btn1 - "1"
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btn6 - "6"
btn5 - "5"
btn4 - "4"
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CardLayout
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SpringLayout
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JComboBox
JButton
JCheckBox
JRadioButton
JToggleButton
JTextArea
JFormattedTextField
JPasswordField
JTextPane
JEditorPane

Design

0

789+
456-
123*
.0 /
AC

ProblemsServersTerminalData Source ExplorerPropertiesConsole

<terminated> Calculator [Java Application] D:\#gb_jyt_1218\util\#eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (2024. 1. 25. 오후 4:48:48 – 오후 4:48:51) [pid: 3968]

WritableSmart Insert1 : 1 : 0

```

JButton btnDiv = new JButton("/");
btnDiv.setBackground(new Color(255, 255, 255));
btnDiv.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        String curr = answer.getText();
        firstNumber = Double.parseDouble(curr);
        answer.setText("0");
        func = "Div";
    }
});
btnDiv.setFont(new Font("맑은 고딕", Font.BOLD, 40));
btnDiv.setBounds(258, 366, 70, 66);
frame.getContentPane().add(btnDiv);

JButton btnMul = new JButton("*");
btnMul.setVerticalAlignment(SwingConstants.BOTTOM);
btnMul.setBackground(new Color(255, 255, 255));
btnMul.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        String curr = answer.getText();
        firstNumber = Double.parseDouble(curr);
        answer.setText("0");
        func = "Mult";
    }
});

JButton btnSub = new JButton("-");
btnSub.setBackground(new Color(255, 255, 255));
btnSub.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        String curr = answer.getText();
        firstNumber = Double.parseDouble(curr);
        answer.setText("0");
        func = "Sub";
    }
});

JButton btnPlus = new JButton("+");
btnPlus.setBackground(new Color(255, 255, 255));
btnPlus.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        String curr = answer.getText();
        firstNumber = Double.parseDouble(curr);
        answer.setText("0");
        func = "ADD";
    }
});

```

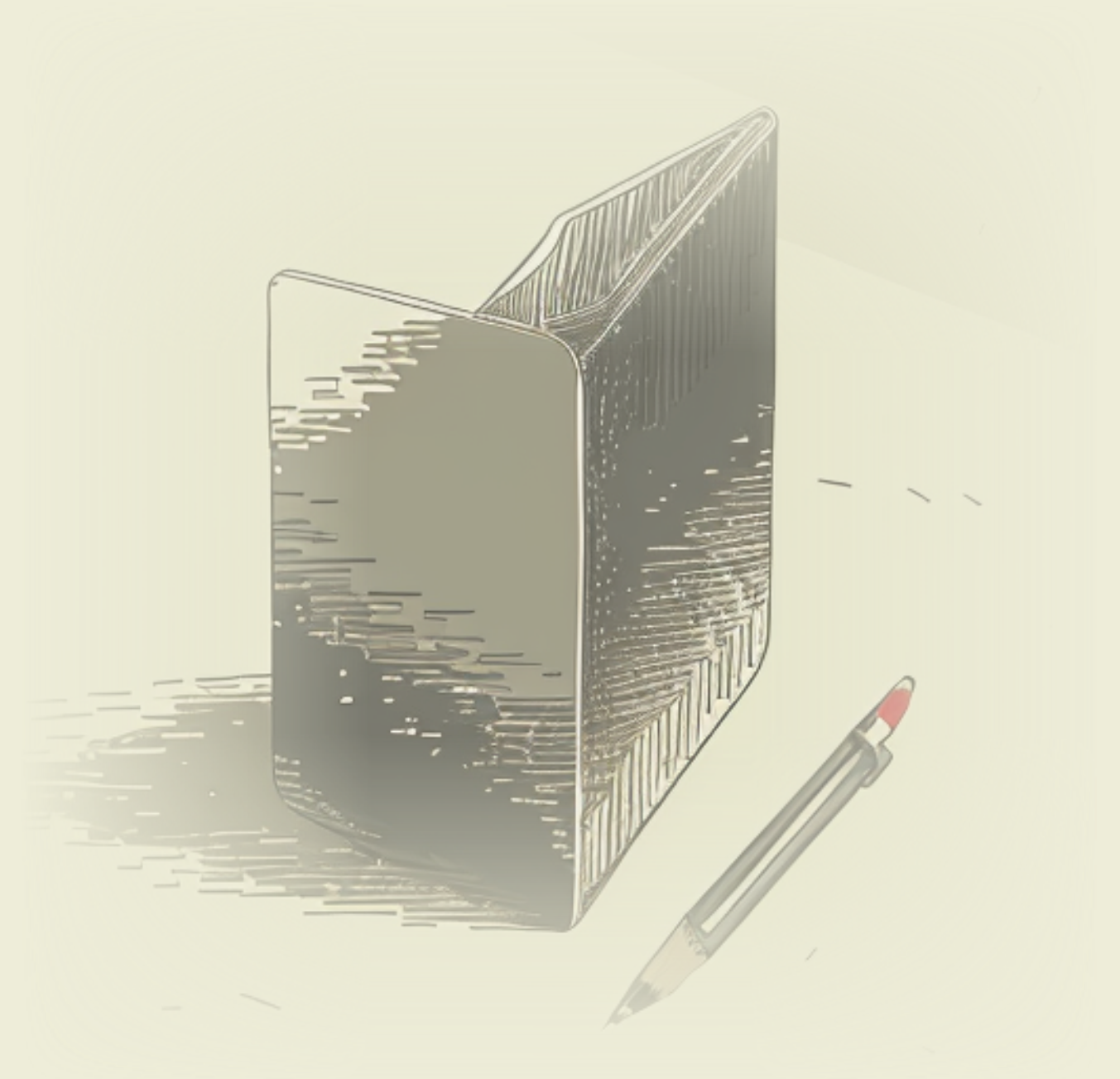
```

JButton btnResult = new JButton("=");
btnResult.setForeground(new Color(255, 255, 255));
btnResult.setBackground(new Color(0, 64, 128));
btnResult.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        double result = 0;
        double currValue = Double.parseDouble(answer.getText());
        switch(func) {
            case "ADD" : {
                result = firstNumber + currValue;
                break;
            }
            case "Sub" : {
                result = firstNumber - currValue;
                break;
            }
            case "Mult" : {
                result = firstNumber * currValue;
                break;
            }
            case "Div" : {
                result = firstNumber / currValue;
                break;
            }
        }
    }
});

```

후기

- 디자인
- 사칙연산의 우선순위
- 지우개 기능 디테일 AC, CE, C, ←
- 숫자 디테일



Q & A