

Simple C...

23 12

35.0

simple.java 1

SimpleCalculator.java 1

siri

STA.java

OUTLINE

TIMELINE SimpleCalculator.java

Workspace Edit now

SimpleCalculator.java > SimpleCalculator

```
1 import javax.swing.*;
2 import java.awt.*;
3 import java.awt.event.ActionEvent;
4 import java.awt.event.ActionListener;
5
6 public class SimpleCalculator extends JFrame implements ActionListener {
7     private JTextField num1Field, num2Field, resultField;
8     private JButton addButton, subtractButton, multiplyButton, divideButton;
9
10    public SimpleCalculator() {
11        setTitle(title:"Simple Calculator");
12        setSize(width:300, height:200);
13        setDefaultCloseOperation(EXIT_ON_CLOSE);
14
15        num1Field = new JTextField(columns:10);
16        num2Field = new JTextField(columns:10);
17        resultField = new JTextField(columns:10);
18        resultField.setEditable(b:false);
19    }
20 }
```

PROBLEMS 51 OUTPUT DEBUG CONSOLE TERMINAL PORTS

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

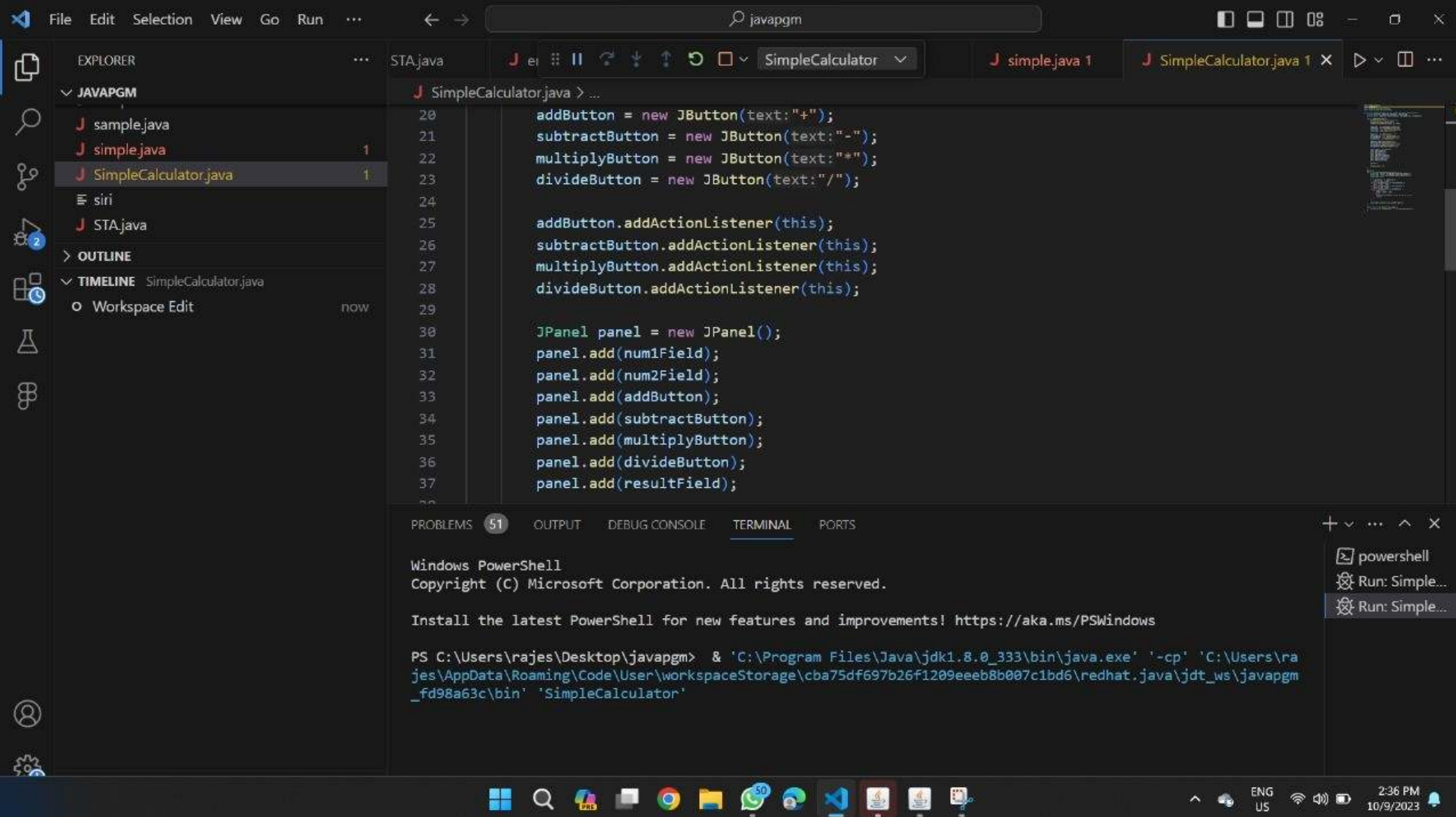
PS C:\Users\rajes\Desktop\javapgm> & 'C:\Program Files\Java\jdk1.8.0_333\bin\java.exe' '-cp' 'C:\Users\rajes\AppData\Roaming\Code\User\workspaceStorage\cba75df697b26f1209eeeb8b007c1bd6\redhat.java\jdt_ws\javapgm_fd98a63c\bin' 'SimpleCalculator'

powershell

Run: Simple...

Run: Simple...

2:35 PM
10/9/2023



FileEditSelectionViewGoRun

←→javapgm

EXPLORER

JAVAPGM

sample.java1

simple.java1

SimpleCalculator.java1

siri

STA.java

OUTLINE

TIMELINE SimpleCalculator.java

Workspace Editnow

SimpleCalculator.java > SimpleCalculator > SimpleCalculator()

39add(panel);

40

41setVisible(b:true);

42}

43

44@Override

45public void actionPerformed(ActionEvent e) {

46double num1 = Double.parseDouble(num1Field.getText());

47double num2 = Double.parseDouble(num2Field.getText());

48double result = 0;

49

50if (e.getSource() == addButton) {

51result = num1 + num2;

52} else if (e.getSource() == subtractButton) {

53result = num1 - num2;

54} else if (e.getSource() == multiplyButton) {

55result = num1 * num2;

56} else if (e.getSource() == divideButton) {

PROBLEMS51

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

Windows PowerShell

Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

PS C:\Users\rajes\Desktop\javapgm> & 'C:\Program Files\Java\jdk1.8.0_333\bin\java.exe' '-cp' 'C:\Users\rajes\AppData\Roaming\Code\User\workspaceStorage\cba75df697b26f1209eeeb8b007c1bd6\redhat.java\jdt_ws\javapgm_fd98a63c\bin' 'SimpleCalculator'

powershell

Run: Simple...

Run: Simple...

2:36 PM

10/9/2023



SimpleCalculator.java

simple.java

STA.java

OUTLINE

TIMELINE SimpleCalculator.java

Workspace Edit

```
SimpleCalculator.java > SimpleCalculator > SimpleCalculator()
57     if (num2 != 0) {
58         result = num1 / num2;
59     } else {
60         resultField.setText(t:"Cannot divide by zero");
61         return;
62     }
63
64
65     resultField.setText(String.valueOf(result));
66
67
68     Run | Debug
69     public static void main(String[] args) {
70         SwingUtilities.invokeLater(() -> new SimpleCalculator());
71     }
72
```

PROBLEMS 51 OUTPUT DEBUG CONSOLE TERMINAL PORTS

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

PS C:\Users\rajes\Desktop\javapgm> & 'C:\Program Files\Java\jdk1.8.0_333\bin\java.exe' '-cp' 'C:\Users\rajes\AppData\Roaming\Code\User\workspaceStorage\cba75df697b26f1209eeeb8b007c1bd6\redhat.java\jdt_ws\javapgm_fd98a63c\bin' 'SimpleCalculator'

powershell

Run: Simple...

Run: Simple...

Run: Simple...

File Edit Selection View Go Run Terminal Help

Search

EXPLORER

NO FOLDER OPENED

You have not yet opened a folder.

Open Folder

Opening a folder will close all currently open editors. To keep them open, add a folder instead.

You can also open a Java project folder, or create a new Java project by clicking the button below.

Create Java Project

OUTLINE

TIMELINE

SONARLINT ISSUE LOCATIONS

JAVA PROJECTS

MAVEN

NumberGuessingGame.java 9

MicroProfile Overview

C:\Users> galis > OneDrive > Desktop > NumberGuessingGame.java

```
1 import java.util.Random;
2 import java.util.Scanner;
3
4 public class NumberGuessingGame {
5
6     Run | Debug
7     public static void main(String[] args) {
8         Scanner scanner = new Scanner(System.in);
9         Random random = new Random();
10
11         int minRange = 1;
12         int maxRange = 100;
13         int randomNumber = random.nextInt(maxRange - minRange + 1) + minRange;
14         int attempts = 0;
15         boolean hasGuessedCorrectly = false;
16
17         System.out.println(x:"Welcome to the Number Guessing Game!");
18         System.out.println("I've selected a random number between " + minRange + " and " + maxRange + ". Try to guess it.");
19
20         while (!hasGuessedCorrectly) {
21             System.out.print(s:"Enter your guess: ");
22             int userGuess = scanner.nextInt();
23             attempts++;
24
25             if (userGuess < minRange || userGuess > maxRange) {
26                 System.out.println(x:"Please enter a number within the specified range.");
27             }
28         }
29     }
30 }
```

PROBLEMS 9

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

COMMENTS

Welcome to the Number Guessing Game!
I've selected a random number between 1 and 100. Try to guess it.
Enter your guess: 12
Too low! Try again.
Enter your guess: 56
Too low! Try again.
Enter your guess: 200
Please enter a number within the specified range.
Enter your guess: 39
Too low! Try again.
Enter your guess: 100
Too high! Try again.
Enter your guess:

powerShell

Run: Numb...

Ln 39, Col 1 Spaces: 4 UTF-8 CRLF {} Java

File Edit Selection View Go Run Terminal Help

← → Search

EXPLORER

NO FOLDER OPENED

You have not yet opened a folder.

Open Folder

Opening a folder will close all currently open editors. To keep them open, add a folder instead.

You can also open a Java project folder, or create a new Java project by clicking the button below.

Create Java Project

OUTLINE

TIMELINE

SONARLINT ISSUE LOCATIONS

JAVA PROJECTS

MAVEN

NumberGuessingGame.java 9 x

MicroProfile Overview

C:\Users> galis > OneDrive > Desktop > J NumberGuessingGame.java

```
22         attempts++;
23
24         if (userGuess < minRange || userGuess > maxRange) {
25             System.out.println(x:"Please enter a number within the specified range.");
26         } else if (userGuess < randomNumber) {
27             System.out.println(x:"Too low! Try again.");
28         } else if (userGuess > randomNumber) {
29             System.out.println(x:"Too high! Try again.");
30         } else {
31             hasGuessedCorrectly = true;
32             System.out.println("Congratulations! You've guessed the correct number (" + randomNumber + ") in " + attempts + " attempt
33         }
34     }
35
36     scanner.close();
37 }
38 }
39 }
```

PROBLEMS 9

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

COMMENTS

Welcome to the Number Guessing Game!
I've selected a random number between 1 and 100. Try to guess it.
Enter your guess: 12
Too low! Try again.
Enter your guess: 56
Too low! Try again.
Enter your guess: 200
Please enter a number within the specified range.
Enter your guess: 39
Too low! Try again.
Enter your guess: 100
Too high! Try again.
Enter your guess:

powershell

Run: Numb...

Ln 39, Col 1 Spaces: 4 UTF-8 CRLF {} Java