

TUGAS SESI 4 – PROGRAMMING ADVANCE

Source Code :

```
const readline = require('readline');

// Membuat antarmuka untuk input dan output
const rl = readline.createInterface({
  input: process.stdin,
  output: process.stdout
});

// Fungsi kalkulator
function calculator() {
  rl.question('Masukkan operasi (contoh: 5 + 3 atau 7 - 2): ', (input) => {
    // Memisahkan angka dan operator
    const [operand1, operator, operand2] = input.split(' ');

    // Mengonversi angka menjadi tipe number
    const num1 = parseFloat(operand1);
    const num2 = parseFloat(operand2);

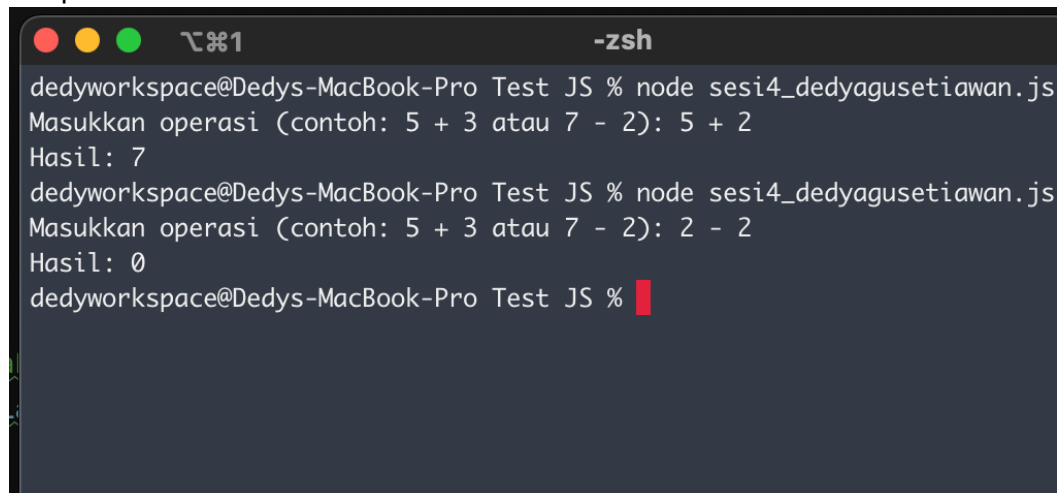
    let result;

    // Melakukan operasi berdasarkan operator
    if (operator === '+') {
      result = num1 + num2;
    } else if (operator === '-') {
      result = num1 - num2;
    } else {
      console.log('Operator tidak valid! Gunakan + atau -');
      return calculator(); // Meminta input lagi
    }

    console.log(` Hasil: ${result} `);
    rl.close(); // Menutup antarmuka
  });
}

// Menjalankan kalkulator
calculator();
```

Output :

A terminal window with a dark background and light gray text. The window title bar shows three colored circles (red, yellow, green) on the left, a cursor icon and the text '1' in the center, and '-zsh' on the right. The terminal content shows a user running a Node.js script. The prompt is 'dedyworkspace@Dedys-MacBook-Pro Test JS %'. The first command is 'node sesi4_dedyagusetiawan.js', followed by the prompt 'Masukkan operasi (contoh: 5 + 3 atau 7 - 2):'. The user enters '5 + 2', and the output is 'Hasil: 7'. The second command is 'node sesi4_dedyagusetiawan.js', followed by the prompt 'Masukkan operasi (contoh: 5 + 3 atau 7 - 2):'. The user enters '2 - 2', and the output is 'Hasil: 0'. The third command is 'node sesi4_dedyagusetiawan.js', followed by the prompt 'Masukkan operasi (contoh: 5 + 3 atau 7 - 2):'. The user enters nothing, and the output is 'Hasil: 0'. The terminal ends with the prompt 'dedyworkspace@Dedys-MacBook-Pro Test JS %' and a red cursor block.

```
dedyworkspace@Dedys-MacBook-Pro Test JS % node sesi4_dedyagusetiawan.js
Masukkan operasi (contoh: 5 + 3 atau 7 - 2): 5 + 2
Hasil: 7
dedyworkspace@Dedys-MacBook-Pro Test JS % node sesi4_dedyagusetiawan.js
Masukkan operasi (contoh: 5 + 3 atau 7 - 2): 2 - 2
Hasil: 0
dedyworkspace@Dedys-MacBook-Pro Test JS %
```