

Algorithm: Simple Calculator Using Switch Case

1. **Start**
2. Display the calculator title and list of supported operations:
 - Addition (+)
 - Subtraction (-)
 - Multiplication (*)
 - Division (/)
 - Modulus (%)
3. **Label:** repeat
4. Prompt the user to **enter the first operand**
→ Store it in `num1`
5. Prompt the user to **enter the second operand**
→ Store it in `num2`
6. Prompt the user to **enter the operator**
→ Store it in `operator`
7. Use a **switch-case** structure to perform the selected operation:
 - **Case '+':**
→ Add `num1` and `num2`
→ Display the result
 - **Case '-':**
→ Subtract `num2` from `num1`
→ Display the result
 - **Case '*':**
→ Multiply `num1` and `num2`
→ Display the result
 - **Case '/':**
→ Check if `num2` is **0**
 - If yes: Print error "Cannot divide by zero"
 - Else: Divide `num1` by `num2` and display the result
 - **Case '%':**
→ Convert `num1` and `num2` to integers
→ Find `num1 % num2`
→ Display the result
 - **Default:**
→ Print "Invalid Operator. Try Again."
8. Ask the user if they want to continue
→ Input character into `operator`
9. If the input is 'N' or 'n':
→ Display "Thank you for using Calculator"
→ **Stop the program**
10. Else:
→ Print new lines
→ **Go to step 4** (using `goto repeat`)