```
                              START

                     INPUT FIRST
                       NUMBER

                     INPUT OPERATOR
                      (+, -, *, /)

                     INPUT SECOND
                       NUMBER

  Sum =                          IS THE
  FirstNumber +      yes        OPERATO
  SecondNumber                  R "+"?

                                  no

  Difference =                   IS THE
  FirstNumber -      yes        OPERATO
  SecondNumber                  R "-"?

                                  no

  Product =                      IS THE
  FirstNumber *      yes        OPERATO
  Secondnumber                  R "*"?

                                  no

  Quotient =                     IS THE
  FirstNumber *      yes        OPERATO
  Secondnumber                  R "/"?

                                  no

  Perform the                 Invalid operator.
  calculation                 Please enter +, -,
                              *, or /".

  Output the                      END
  result
```

Now, observe the previous flowchart in pseudocode

```
BEGIN

    DISPLAY "Enter first number: "

    INPUT FirstNumber

    DISPLAY "Enter an operator (+, -, *, /): "

    INPUT operator

    DISPLAY "Enter second number: "

    INPUT SecondNumber


    IF operator = "+" THEN

        result ← FirstNumber + SecondNumber

        DISPLAY "Result: ", result

    ELSE IF operator = "-" THEN

        result ← FirstNumber - SecondNumber

        DISPLAY "Result: ", result

    ELSE IF operator = "*" THEN

        result ← FirstNumber * SecondNumber

        DISPLAY "Result: ", result

    ELSE IF operator = "/" THEN

        ELSE

            result ← FirstNumber / SecondNumber

            DISPLAY "Result: ", result

        ENDIF

    IF operator ≠ "+" AND operator ≠ "-" AND operator ≠ "*" AND operator ≠ "/"

    THEN

        DISPLAY "Error: Invalid operator. Please enter +, -, *, or /."

    ELSE

END
```