

PSEUDOCODES

Q1) START

DECLARE ^{largest,} num1, num2, num3 AS INTEGER

INPUT num1, num2, num3

IF num1 > num2 AND num1 > num3 THEN

largest = num1

ELSEIF num2 > num1 AND num2 > num3 THEN

largest = num2

ELSE

largest = num3

ENDIF

OUTPUT largest

END

Q2) START

DECLARE sum, num1, num2, num3 AS INTEGER

INPUT num1, num2, num3

sum = num1 - (-num2) - (-num3)

OUTPUT sum

END

Q3) START

DECLARE ans, num1, num2, ^{operator} ~~operator~~ AS INTEGER

OUTPUT "Enter the numbers you want to add or subtract"

INPUT num1, num2

OUTPUT "Enter 1 if you wish to add, or 2 if you wish to subtract"

INPUT operator

IF operator == 1 THEN

ans = num1 + num2

ELSE

ans = num1 - num2

ENDIF

OUTPUT ans

END

ALGORITHMS

- Q4. 1. Ask user to input a number
2. Declare a variable to denote the divisor value labelled 'divisor' and set it to 1.
3. Divide the number by the current divisor value and check variable
4. If the remainder of step 3 is zero, then that ~~divisor~~ value is a divisor
5. Print that value
6. If $\text{divisor} \bmod 2 == 0$, then it is even, and if not then it is odd
7. Print whether the divisor is even or odd as determined in the previous step.
8. Increment the divisor value by 1.
9. Repeat steps 3 to 8 until the divisor value is greater than the input number.

- Q5) 1. Ask user to enter a number between 1 and 12.
2. Display the name of a month that corresponds to the number entered in a calendar

- Q6) 1. Ask user to enter num1
2. Ask user to enter the operator of their choice, whether +, -, *, /, %
3. Ask user to enter num2
4. If the user entered + in step 2, then calculate $\text{answer} = \text{num1} + \text{num2}$
5. If the user entered - in step 2, then calculate $\text{answer} = \text{num1} - \text{num2}$
6. If the user entered * in step 2, then calculate $\text{answer} = \text{num1} * \text{num2}$
7. If the user entered / in step 2, then calculate $\text{answer} = \text{num1} / \text{num2}$
8. If the user entered % in step 2, then calculate $\text{answer} = \text{num1} \% \text{num2}$
9. Display answer