FAST

LAB ..... Date: .....

Write Pseudocodes:-

Q1)
```
START
INPUT Num1, Num2, Num3
SET Minimum = Num1
IF (Num1 < Num2) AND (Num1 < Num3)
      THEN Minimum = Num1
ELSE IF ( Num2 < Num1) AND (Num2 < Num3)
      THEN Minimum = Num2
ELSE IF (Num3 < Num1) AND (Num3 < Num2)
      THEN Minimum = Num3
PRINT Minimum
END
```

Finding smallest among 3 variables.

Q2)
```
START
INPUT Num1, Num2
SET max = 0
SET y = 0
IF (Num1 < Num2)
   THEN SET max = Num2
        SET y = Num1 * (-1)
        DIFFERENCE = max + y
ELSE SET max = Num1
        SET y = Num2 * (-1)
        DIFFERENCE = max + y
PRINT DIFFERENCE
END
```

Subtracting 2 numbers without using the (-) operator.

Date:

Q3)

```
START
INPUT Num1, Num2, Operator
SET Result = 0
IF Operator = Multiplication
        Result = Num1 * Num2
ELSE Result = Num1 / Num2
PRINT Result
END
```

Basic calculation of (× & ÷).

FAST

Date:

Write Algorithms:-

Q1)
- Ask user to input a number (N).
- Set the counter to 0.
- Divide the number by all values between 1 and N.
- If the number is divisible by any number other than 1 and N.
- Output that the number is composite.
- If not, then output it as prime.

Q3)
- Ask user to input two numbers.
- Set the larger number as greater and the other as smaller after processing it.
- Divide the greater number by the smaller number and find the remainder.
- If remainder is 0, display the smaller number as Greatest Common Divisor.
- If remainder is not 0, set smaller number as greater number and the remainder as smaller number.
- Repeat Step 1-3 until remainder is 0.
- Then display it as Greatest Common Divisor.

Q) 1. Ask User to Input Day (1-365)

2. Process Input Day ÷ 7 and Remainder = Day

3. Set 1 = Monday, 2 = Tuesday, 3 = Wednesday,
4 = Thursday, 5 = Friday, 6 = Saturday,
0 = Sunday

4. Display Day for User.