LAPORAN PSEUDOCODE & FLOWCHART

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PRODI SAINS DATA TERAPAN

SEPTEMBER 2023

A. Write an algorithm that asks a user for their name, then responds with "Hello NAME"

a) Input: User's name
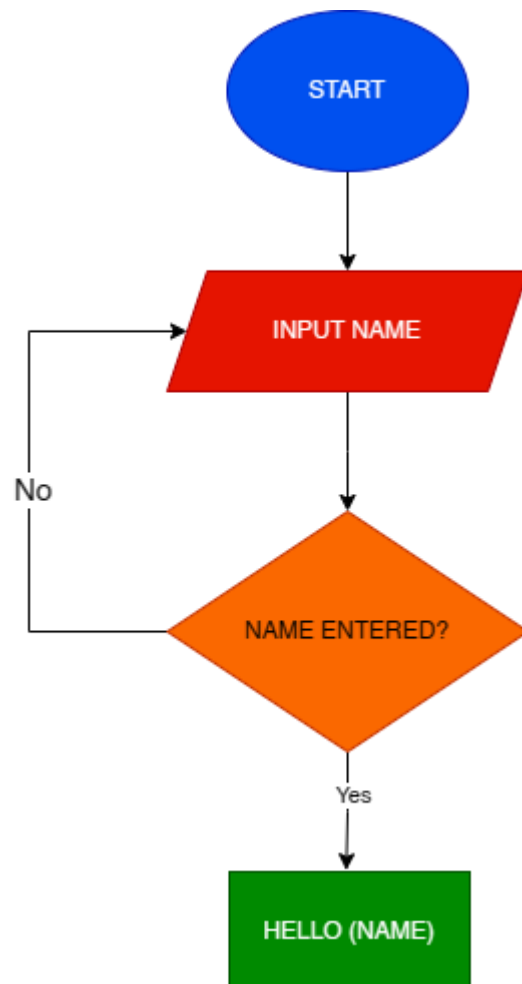
Process: Print "Hello (Name)"

Output: "Hello (Name)"

b) Pseudocode

1. INPUT name

2. PRINT "Hello" + (name)

3. DISPLAY "Hello (name)"

c) Flowchart

B. Create "Is a number positive or negative?"

a) Input: Number.

Process: Cek jika number lebih besar dari nol

Output:

- If yes, print positive

- If no, print negative
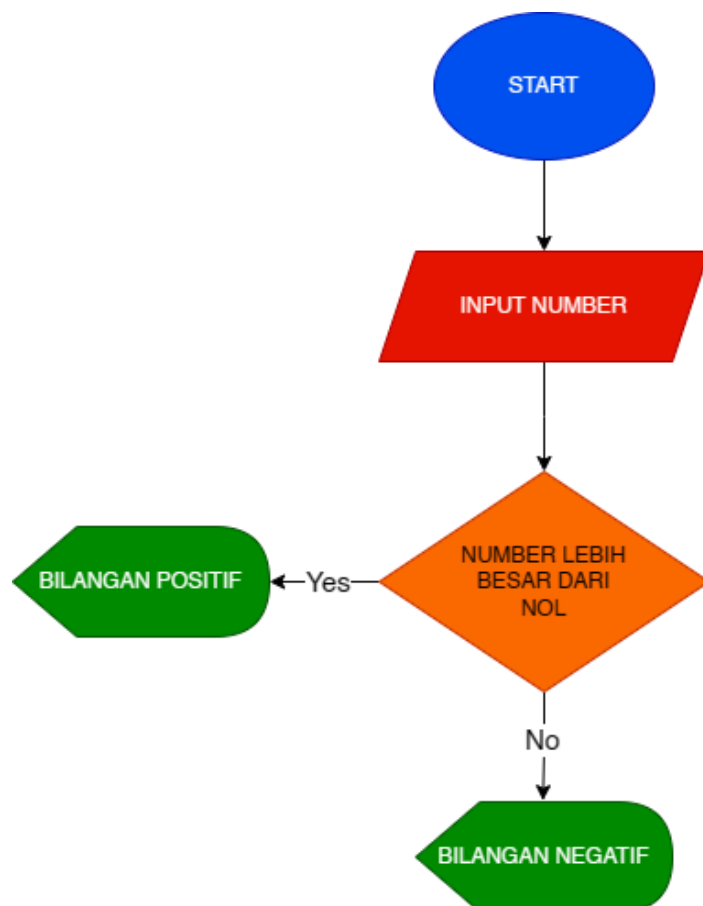
b) Pseudocode

INPUT a number

IF number > 0 then

PRINT "(number) is positive"

ELIF number < 0 then

PRINT "(number) is negative"

ENDIF

c) Flowchart

C. Write an algorithm that asks a user for their grade and tells them their letter grade.

a. Process

1. Input : Grade

Process: Check which interval the grade is in

Output:

- A: 100 – 90

- B: <90 – 80

- C: <80 – 70

- D: <70 – 60

- E: <60 – 02.

b. Pseudocode

    INPUT grade

    IF grade >= 90 then

    PRINT "A"

    ELIF grade < 90 and grade >= 80 then

    PRINT "B"

    ELIF grade < 80 and grade >= 70 then

    PRINT "C"

    ELIF grade < 70 and grade >= 60 then

    PRINT "D"

    ELSE

    PRINT "E"

    ENDIF

c) Flowchart

START

INPUT GRADE

APAKAH NILAINYA BERADA DI RENTANG 100-90

Yes → MENCETAK A

No

APAKAH NILAINYA BERADA DI RENTANG <90-80

Yes → MENCETAK B

No

APAKAH NILAINYA BERADA DI RENTANG <80-70

Yes → MENCETAK C

No

APAKAH NILAINYA BERADA DI RENTANG <70-60

Yes → MENCETAK D

No

MENCETAK F