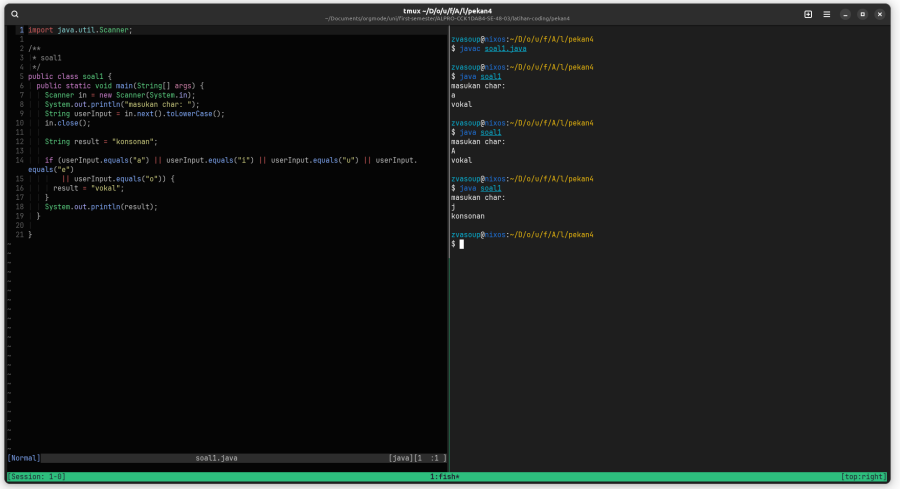
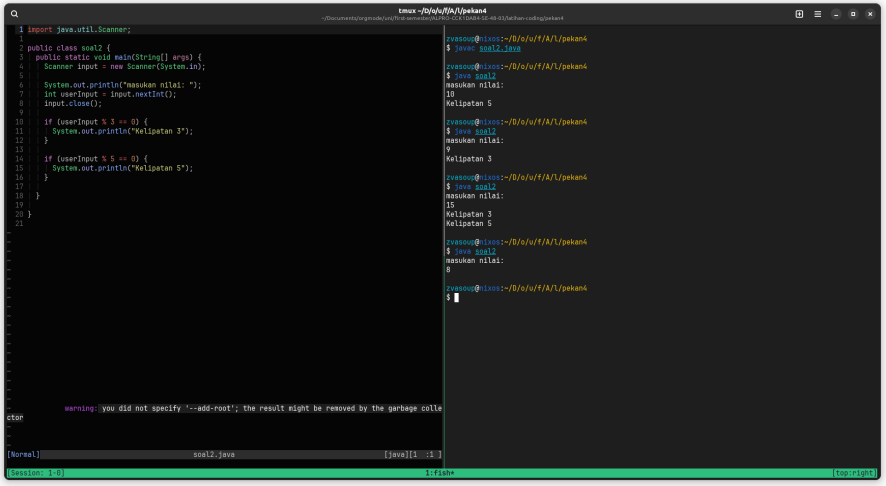
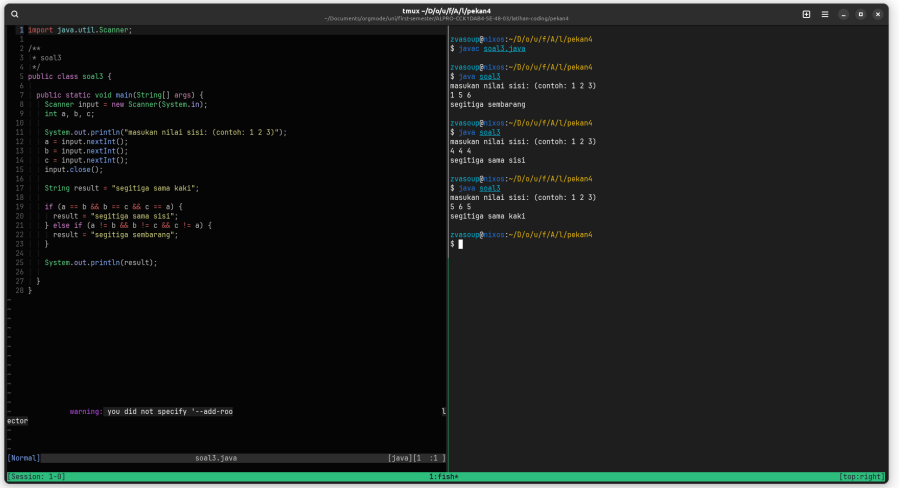
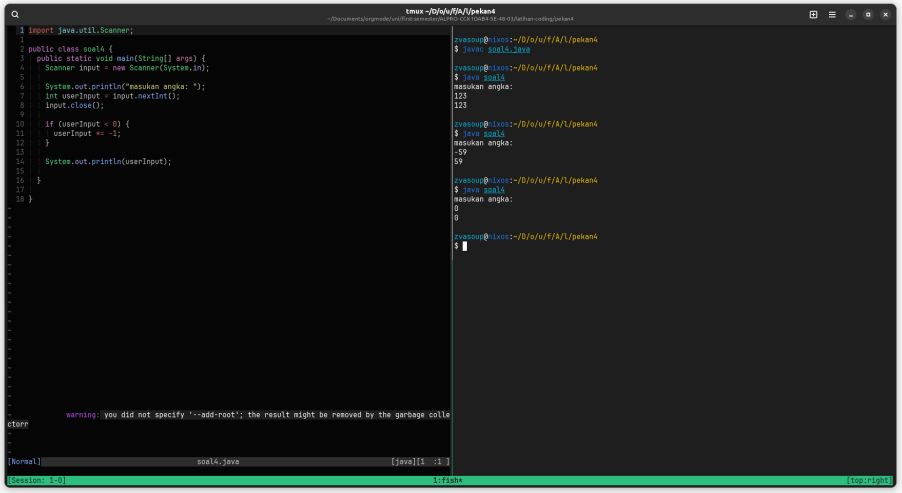
Nama: Fauzan Zulfa Muhammad (103022400032)

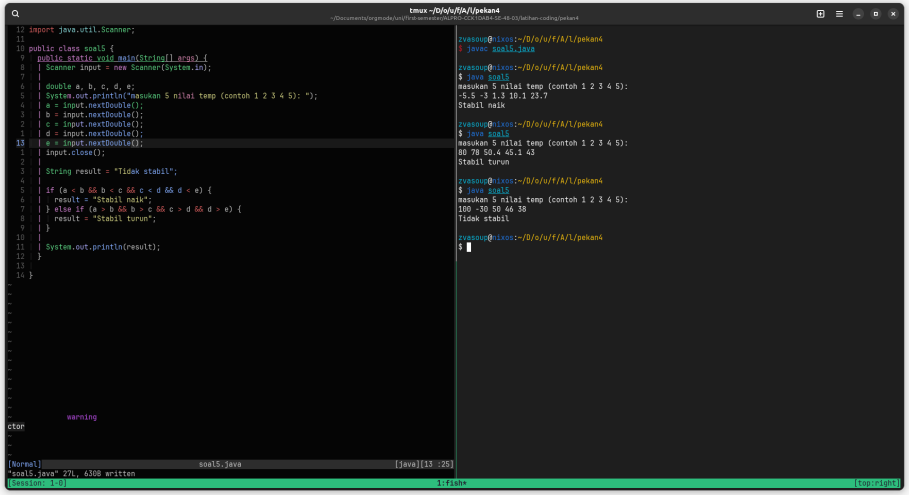
No	Pseudocode	Java

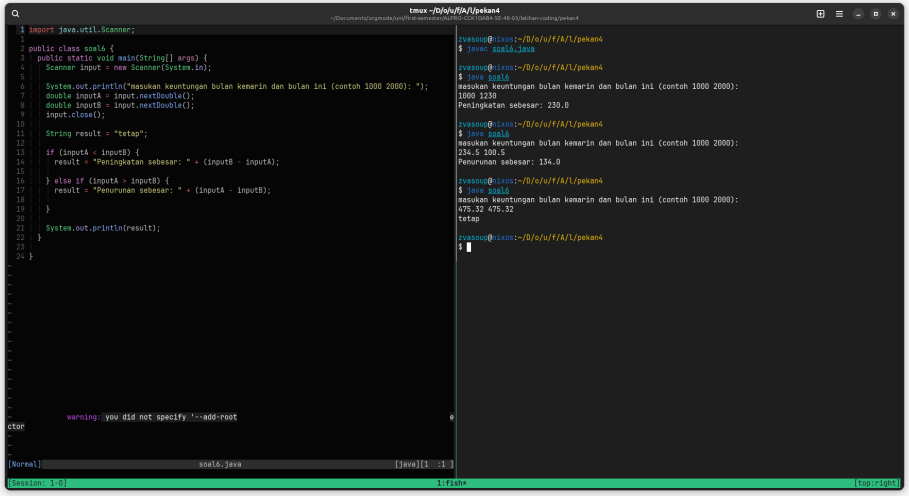
1	Program Konsonan
	Kamus:
	userInput, result : string
	Algoritma:
	input(userInput)
	userInput <- userInput.toLowerCase()
	
	result <- “konsonan”
	IF (userInput == “a” || userInput == “i” || userInput == “u” || userInput == “e” || userInput == “o”) THEN
	result <- “vokal”
	ENDIF
	
	output(result)
	Endprogram
		

2	Program Hasil Perkalian
	Kamus:
	userInput : string
	Algoritma:
	input(userInput)
	
	IF (userInput % 3 == 0) THEN
	output(“Kelipatan 3”)
	ENDIF
	
	IF (userInput % 5 == 0) THEN
	output(“Kelipatan 5”)
	ENDIF
	Endprogram
		

3	Program Jenis Segitiga
	Kamus:
	a, b, c, result : string
	Algoritma:
	input(a, b, c)
	
	result <- “segitiga sama kaki”
	IF (a == b && b == c && c == a) THEN
	result <- “segitiga sama sisi”
	ELSE IF (a != b && b != c && c != d) THEN
	result <- “segitiga sembarang”
	ENDIF
	
	output(result)
	Endprogram
		

4	Program Mutlak Absolut
	Kamus:
	userInput : integer
	Algoritma:
	input(userInput)
	IF (userInput < 0) THEN
	userInput <- userInput * (-1)
	ENDIF
	
	output(userInput)
	Endprogram
		

5	Program Temperatur
	Kamus:
	a, b, c, d, e : double
	result : string
	Algoritma:
	input(a, b, c, d, e)
	
	result <- “Tidak stabil”
	IF (a < b && b < c && c < d && d < e) THEN
	result <- “Stabil Naik”
	ELSE IF (a < b && b < c && c < d && d < e) THEN
	result <- “Stabil Turun”
	ENDIF
	
	output(result)
	Endprogram
		

6	Program Profit
	Kamus :
	inputA, inputB : integer
	result : string
	Algoritma:
	input(inputA, inputB)
	
	result <- “tetap”
	IF (inputA < inputB) THEN
	result <- “Peningkata sebesar: “, (inputB – inputA)
	ELSEIF (inputA > inputB) THEN
	result <- “Penurunan sebesar: “, (inputA – inputB)
	ENDIF
	
	output(result)
	Endprogram
		

7

Program Liga Sepak Bola

Kamus:

a, b, c, d, minGoal, maxGoal : integer

Algoritma:

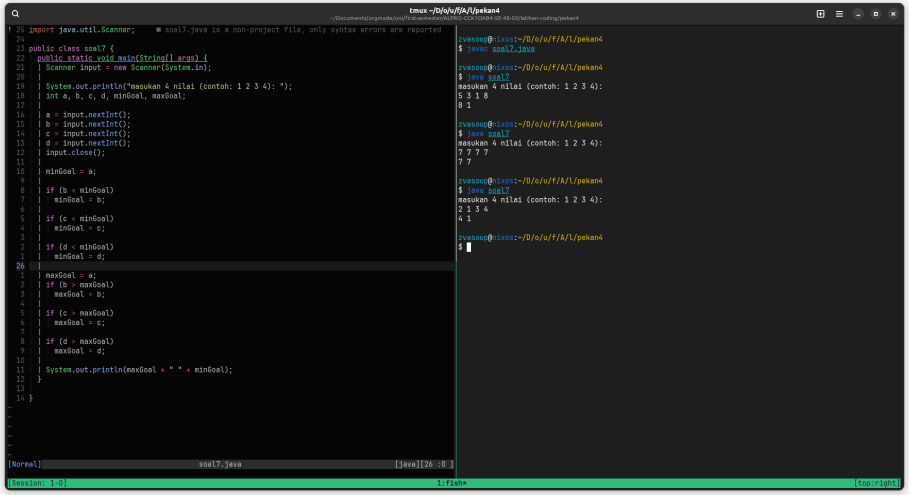
input(a, b, c, d)

minGoal <- a
IF (b < minGoal) THEN
minGoal <- b
ELSE IF (c < minGoal) THEN
minGoal <- c
ELSE IF (d < minGoal) THEN
minGoal <- d
ENDIF

maxGoal <- a
IF (b > minGoal) THEN
minGoal <- b
ELSE IF (c > minGoal) THEN
minGoal <- c
ELSE IF (d > minGoal) THEN
minGoal <- d
ENDIF

output(maxGoal, " ", minGoal)

Endprogram



8

Program Parkir

Kamus:

h1, m1, h2, m2, resultH, resultM : integer
validation1, validation2, validation3 : boolean
result : string

Algoritma:

input(h1, m1, h2, m2)
validation1 <- false
validation2 <- false
validation3 <- false

IF ((7 <= h1 && h1 <= 12) || (1 <= h1 && ((h1 <= 4) || h1 == 5 && m1 == 0))) THEN
validation1 <- true;
ENDIF

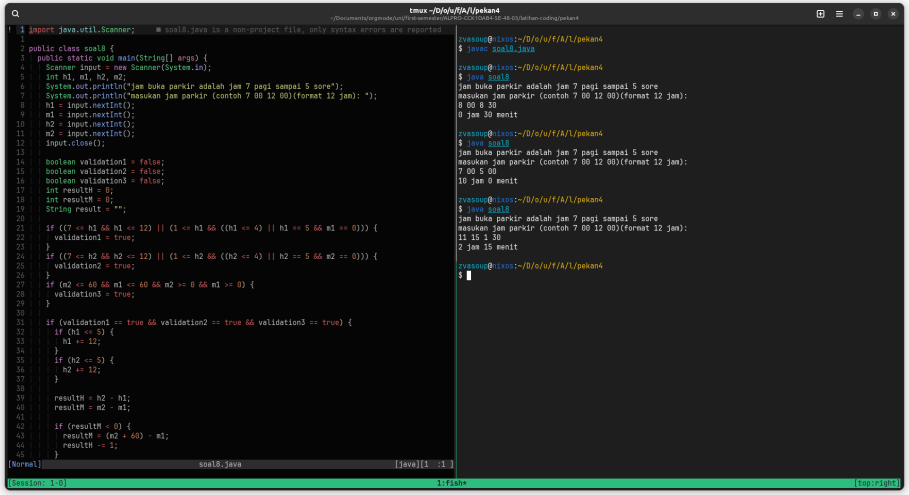
IF ((7 <= h2 && h2 <= 12) || (1 <= h2 && ((h2 <= 4) || h2 == 5 && m1 == 0))) THEN
validation2 <- true;
ENDIF

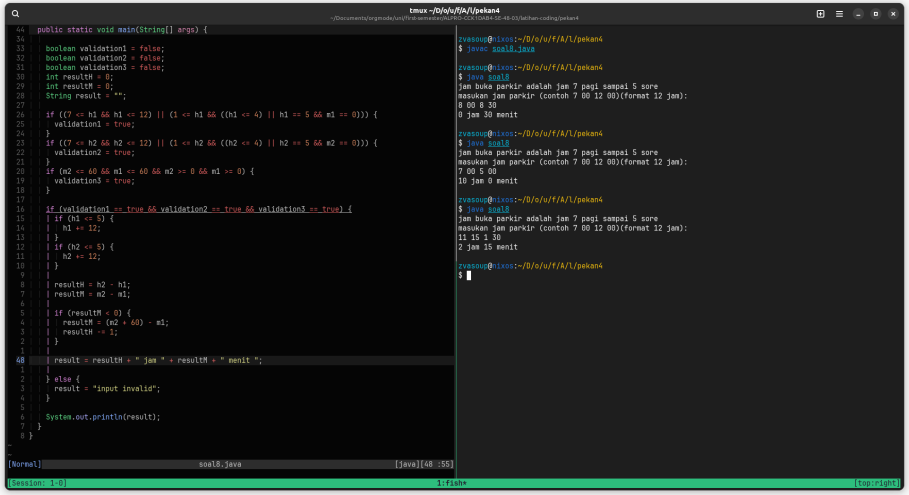
IF (m2 <= 60 && m1 <= 60 && m2 >= 0 && m1 >= 0) THEN
validation3 <- true;
ENDIF

IF (validation1 == true && validation2 == true && validation3 == true) THEN
IF (h1 <= 5) THEN
h1 <- h1 + 12;
ENDIF
IF (h2 <= 5) THEN
h2 <- h2 + 12;
ENDIF

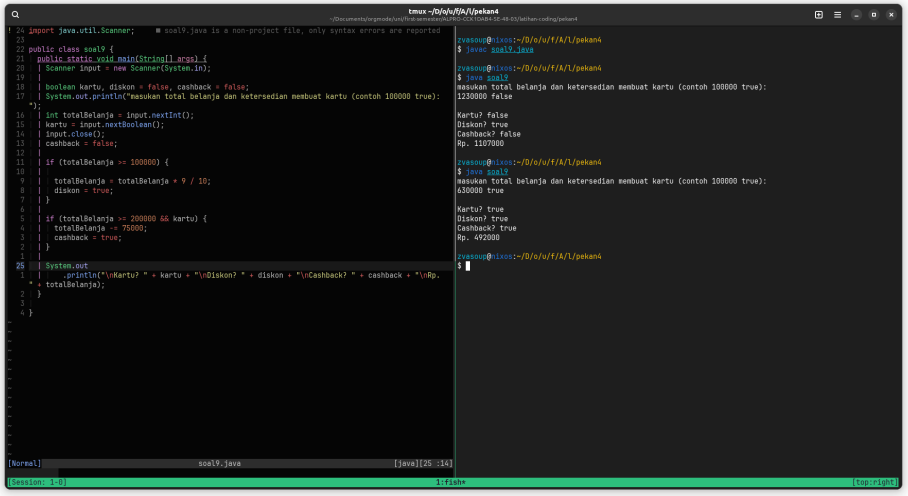
resultH <- h2 - h1;
resultM <- m2 - m1;

IF (resultM < 0) THEN





	resultM <- (m2 + 60) - m1;
	resultH <- resultH - 1;
	THEN
	
	result <- resultH + " jam " + resultM + " menit ";
	
	ELSE
	result <- "input invalid";
	
	ENDIF
	
	output(result)
	Endprogram	

9	Program Akhir Tahun
	Kamus:
	kartu, diskon, cashback : boolean
	totalBelanja : integer
	Algoritma:
	input(totalBelanja)
	input(kartu)
	cashback <- false
	
	IF (totalBelanja >= 100000) THEN
	totalBelanja <- totalBelanja * 9 / 10
	diskon <- true
	ENDIF
	
	IF (totalBelanja >= 200000) THEN
	totalBelanja <- totalBelanja - 75000
	cashsback <- true
	ENDIF
	
	output(“\nKartu? “, kartu, “\Diskon? “, diskon, “\nCashback? “,
	cashback, “\nRp. “, totalBelanja)
	Endprogram
		

10

Program Banyak Appa
Kamus:
result : string
appaBig, appaSmall, sisa, userInput : integer
Algoritma :
input(userInput)

IF (userInput <= 15) THEN
appaBig <- (userInput + 4) /5
result <- “dewasa: “, appaBig
ELSE IF (userInput <= 25) THEN
appaBig <- 3
appaSmall <- (userInput - 14) /2

result <- “dewasa: “, appaBig, “ kecil: “, appaSmall
ELSE
appaBig <- 3
appaSmall <- 5
sisa <- userInput - 25

result <- “dewasa: “, appaBig, “ kecil: “, appaSmall, “ dan “, sisa, “
tak berangkat”
ENDIF

output(result)
Endprogram