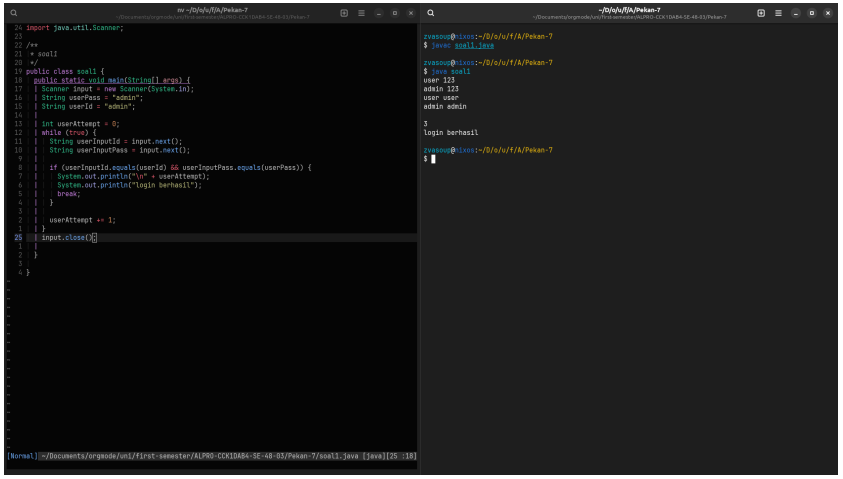
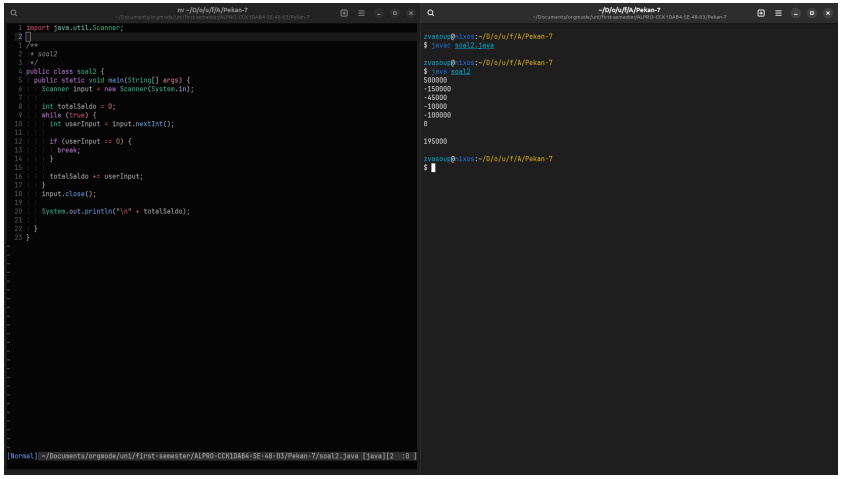
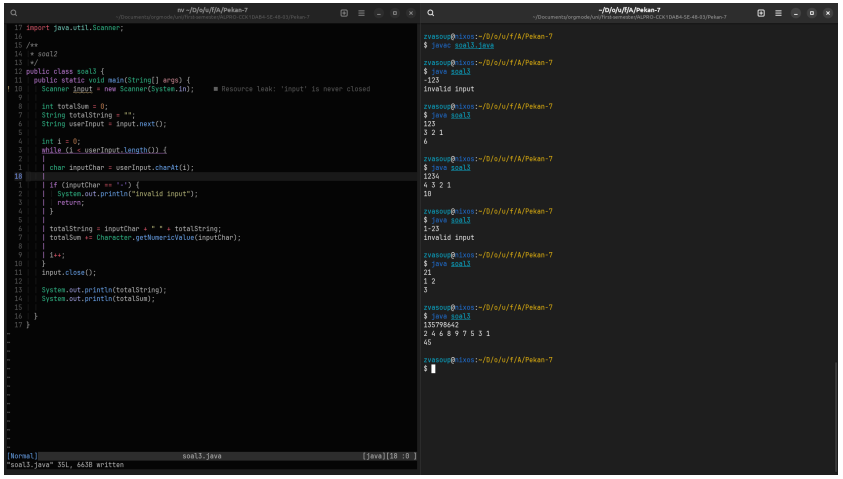
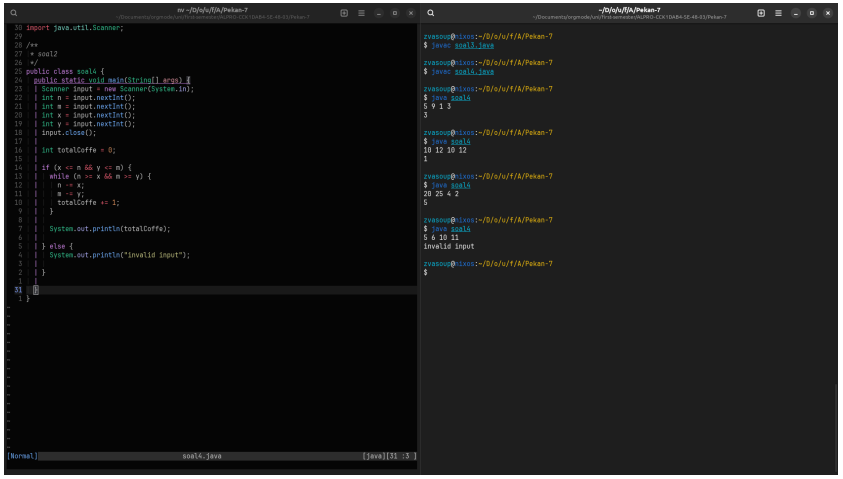
Nama: Fauzan Zulfa Muhammad (103022400032)

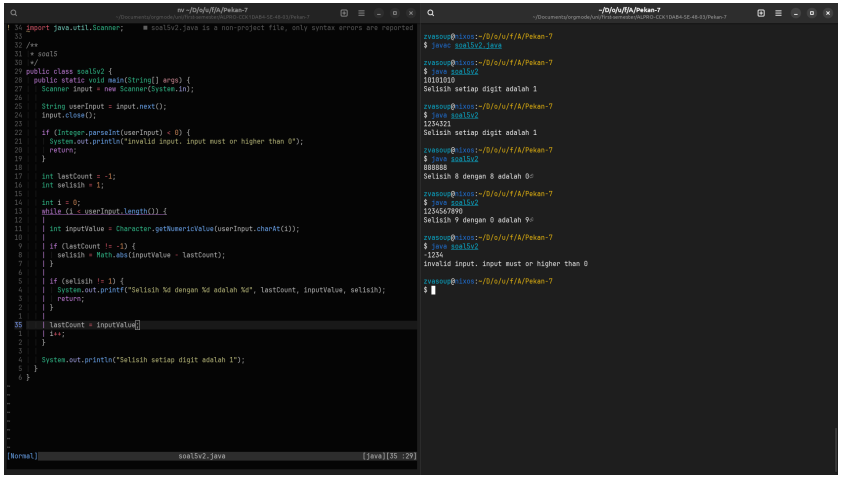
No	Pseudocode	Java Code

1	Program Login
	Kamus
	userPass, userId, inputUserId, inputUserPass : string
	userAttempt : integer
	Algoritma
	userPass <- “admin”
	userId <- “admin”
	input(inputUserId, inputUserPass)
	
	WHILE (true) DO
	IF (inputUserId == userId && inputUserPass== userPass) THEN
	output(userAttempt)
	output(“login berhasil”)
	break
	END IF
	
	userAttempt += 1
	END WHILE
	
	Endprogram
		

2	Program Pengeluaran
	Kamus
	totalSaldo, userInput : integer
	Algoritma
	totalSaldo <- 0
	WHILE (true) DO
	input(userInput)
	IF (userInput == 0) THEN
	break
	END IF
	totalSaldo += userInput
	END WHILE
	
	output(totalSaldo)
	Endprogram
		

3	Program Digit
	Kamus
	totalSum, i: integer
	totalString, userInput : string
	inputChar : character
	Algoritma
	totalSum <- 0
	totalString <- “”
	input(userInput)
	i <- 1
	
	WHILE (i <= userInput.length()) DO
	inputChar <- userInput.charAt(i)
	
	IF (inputChar == ‘-‘) THEN
	output(“Invalid input”)
	return
	END IF
	
	totalString <- inputChar + “ “ + totalString
	totalSum += Character.getNumericValue(inputChar)
	
	i++
	END WHILE
	
	output(totalString)
	output(totalSum)
	
	Endprogram
		

4	Program Cangkir Kopi
	Kamus
	n, m, x, y, i, totalCoffee : integer
	Algoritma
	input(n, m, x, y)
	totalCoffee <- 0
	
	IF (x <= n && y <= m) THEN
	WHILE (n >= x && m >= y) DO
	n -= x
	m -= y
	totalCoffee += 1
	END WHILE
	
	output(totalCoffee)
	ELSE
	output(“Invalid Input”)
	END IF
	
	Endprogram
		

5	Program Konsekutif
	Kamus
	userInput : string
	lastCount, inputValue, selisih, i : integer
	Algoritma
	input(userInput)
	IF (Integer.parseInt(userInput < 0) THEN
	output(“Invalid input’)
	return
	END IF
	
	lastCount <- -1
	selisih <- 1
	i <- 1
	WHILE (i <= userInput.length()) DO
	inputValue <- Character.getNumbericValue(userInput.charAt(i))
	
	IF (lastCount != -1) THEN
	selisih <- Math.abs(inputValue – lastCount)
	END IF
	
	IF (selisih != 1) THEN
	output(“Selisih “, lastCount, “ dengan “, inputValue, “ adalah “, selisih”)
	return
	END IF
	
	lastCount <- inputValue
	i++
	END WHILE
	
	output (“Selisih setiap digit adalah 1”)
	
	Endprogram
		

6	Program Tanki Air
	Kamus
	tankSize, bucket : integer
	tankFull : boolean
	Algoritma
	input(tankSize)
	tankFull <- false
	
	WHILE (!tankFull) DO
	input(bucket)
	IF (bucket < 0) THEN
	output(“invalid input. bucket must be or higher than 0”)
	ELSE
	tankSize -= bucket
	END IF
	
	IF (tankSize <= 0) THEN
	tankFull = !tankFull
	END IF
	
	output (tankFull)
	END WHILE
	
	Endprogram