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| No | Pseudocode | Java Code |
| 1 | Program Login  Kamus  userPass, userId, inputUserId, inputUserPass : string  userAttempt : integer  Algoritma  input( userInputId, userInputPass )  WHILE ( true ) DO  IF ( userInputId == userId && userInputPass == 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 + “ “ totalStrng  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 <- Matsh.abs( inputValue – lastCount )  END IF  IF ( selisih != 1 ) THEN  output( “Selisih “, lastCount, “ dengan “, inpuValue, “ 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 |  |