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| 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 |  |