PROGRAM PrediksiKelasData

DEKLARASI

tgs, uts, uas, tgsb, utsb, uasb, n, i, j, l, baik, cukup, kurang : integer

k, nilai[100], d[n][0], jarak : float

ket[100]: char

ALGORITMA

Begin

Input n

FOR ( i ← 0; i < n ; i++)

Output("Data ke-%d\n",i+1)

Output ("Nilai Tugas : ")

Input(db[i].tgs)

Output("Nilai UTS : ")

Input(db[i].uts)

Output("Nilai UAS : ")

Input (db[i].uas)

Output( "Nilai Huruf : " )

Input( db[i].ket )

END FOR

Output ("Masukan Nilai Tugas Baru : ")

Input( db[i].tgs )

Output("Masukan Nilai UTS Baru : ")

Input( db[i].uts )

Output ("Masukan Nilai UAS Baru : ")

Input ( db[i].uas )

FOR ( i ← 0; i < n ; i++)

nilai[i] ← sqrt( ( pow( ( db[i].tgsb - db[i].tgs ), 2 ) ) + ( pow( ( db[i].utsb - db[i].uts ), 2) ) + ( pow( ( db[i].uasb - db[i].uas), 2 ) ) )

END FOR

Output ("===========================================================")

Output (" Prediksi Kelas Data ");

Output ("============================================================")

Output ("NO | Nilai Tugas | Nilai UTS | Nilai UAS | Kelas | nilai |")

Output ("============================================================")

FOR ( i ← 0; i < n ; i++)

Output ( i+1, db[i].tgs, db[i].uts, db[i].uas, db[i].ket, nilai[i] )

END FOR

Output ("============================================================")

Output ( "masukkan k: " )

Input( db[i].k );

Output ("===========================================================")

Output (" Prediksi Kelas Data ");

Output ("============================================================")

Output ("NO | Nilai Tugas | Nilai UTS | Nilai UAS | Kelas | nilai |")

Output ("============================================================")

Output ( db[i].tgsb,db[i].utsb, db[i].uasb )

FOR (i ← 0; i < (n-1); i++) {

FOR (j ← 0; j < (n-1); j++) {

if (d[j][1] > d[j + 1][1]) {

jarak ← d[j][1];

d[j][1] ← d[j + 1][1];

d[j + 1][1] ← jarak;

l ← d[j][0];

d[j][0] ← d[j + 1][0];

d[j + 1][0] ← l;

END IF

END FOR

END FOR

FOR (i ← 0; i < db[i].k; i++)

l ← d[i][0];

IF (strcmp(db[l].ket, "baik") == 0) THEN

baik++

END IF

IF (strcmp(db[l].ket, "cukup") == 0) THEN

cukup++

END IF

IF (strcmp(db[l].ket, "kurang") == 0) THEN

kurang++

END IF

END FOR

Output ( db[l].ket )

IF (baik > cukup && baik > kurang) THEN

Output ( "baik" )

END IF

IF (cukup > baik && cukup > kurang) THEN

Output ( "cukup" )

END IF

IF (kurang > cukup && kurang > baik) THEN

Output ( "kurang" )

END IF

END