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Absen Praktikum : 10

Algoritma :

1. **DataBarang :**

**Declare :**

struct dbarang{

string kode;

string nama;

string merk;

int harga;

int jumlah;

int subtotal;

};

data : dBarang;

int total, bayar = 0;

char pil = 'Y';

int ctr = 0;

string kode[3] = {"SJE01", "HBH01", "KD003"};

string nama[3] = {"SENDAL JEPIT", "HANDUK BAYI", "SABUN CUCI"};

string merk[3] = {"CAP KUDA", "CAP LADA", "CAP GADA"};

int harga[3] = {30000, 23000, 5000};

**Begin :**

Write ("=========================================================\n");

Write ("=======================TOKO HAGO=========================\n");

Write ("=========================================================\n");

Write ("NO KODE NAMA MERK HARGA \n");

for(int i = 0; i < 3; i++){

write (<< i << "\t\t" << kode[i] << "\t\t" << nama[i] << "\t\t" << merk[i] << "\t\t" << harga[i] << endl);

}

Do

main :

write << "=========================================================\n";

write << "Masukan KODE : "; read >> data[ctr].kode;

for(int i =0; i<3; i++){

if(data[ctr].kode == kode[i]){

data[ctr].nama = nama[i];

data[ctr].merk = merk[i];

data[ctr].harga = harga[i];

break;

}

}

if(data[ctr].nama == ""){

write << "Data tidak ditemukan \n";

goto main;

}

write << "Masukan Jumlah Barang : "; read >> data[ctr].jumlah;

data[ctr].subtotal = data[ctr].harga \* data[ctr].jumlah;

write << endl;

write << "Ada Lagi [Y/T] ? : "; read >> pil;

ctr++;

While(pil == ‘y’ || pil == ‘Y’);

clrscr();

total = 0;

write << "=====================================================================\n";

write << "NO NAMA MERK HARGA QTY SUBTOTAL \n";

write << "---------------------------------------------------------------------\n";

for(int i = 0; i < ctr; i++){

write << (i+1) << "\t\t" << data[i].nama << "\t\t" << data[i].merk << "\t\t" << data[i].harga << "\t\t" << data[i].jumlah << "\t\t" << data[i].subtotal << endl;

total += data[i].subtotal;

}

write << "---------------------------------------------------------------------\n";

write << "TOTAL : Rp. " << total << endl;

write << "BAYAR : Rp. "; read >> bayar;

write << "KEMBALI : Rp. " << (bayar - total) << endl;

write << "---------------------------------------------------------------------\n";

1. **Perkalian Matriks :**

**Declare :**

int ma[2][3];

int mb[3][3];

int mc[2][3];

**Begin :**

for(int i = 0; i < 2; i++){

for(int j = 0; j < 3; j++){

write << "ma[" << i << "][" << j << "] : ";

read >> ma[i][j];

}

}

write << endl;

for(int i = 0; i < 3; i++){

for(int j = 0; j < 3; j++){

write << "ma[" << i << "][" << j << "] : ";

read >> mb[i][j];

}

}

write << endl;

for(int i = 0; i < 2; i++){

for(int j = 0; j < 3; j++){

write << ma[i][j] << "\t";

}

write << endl;

}

write << endl;

for(int i = 0; i < 3; i++){

for(int j = 0; j < 3; j++){

write << mb[i][j] << "\t";

}

write << endl;

}

write << endl;

for(int i = 0; i < 2; i++){

for(int j = 0; j < 3; j++){

mc[i][j] = 0;

for(int k = 0; k < 3; k++){

mc[i][j] = mc[i][j] + ma[i][k] \* mb[k][j];

}

}

write << endl;

}

write << endl;

for(int i = 0; i < 2; i++){

for(int j = 0; j < 3; j++){

write << mc[i][j] << "\t";

}

write << endl;

}

write << endl;

1. **Nilai terkecil dari 5 angka**

**Declare :**

int dataArr[5];

int min;

**Begin :**

write << "===========================================\n";

write << "Program Menentukan Min Value dari 5 angka \n";

for(int i = 1; i <= 5; i++){

write << "Masukan Angka Ke " << i << ": ";

read >> dataArr[i];

}

min = dataArr[1];

for(int i = 1; i <= 5; i++){

if(dataArr[i] < min){

min = dataArr[i];

}

}

write << "============================================\n";

write << "Nilai Terkecil adalah : " << min ;

write << endl;