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Sequential Search

#include <iostream>

#include <stdlib.h>

using namespace std;

int linear\_search(int[], int, int);

char pil;

main () {

do {

cin.clear();

system("cls");

const int array\_size=10;

int array[array\_size]={25,36,2,48,0,69,14,22,7,19};

cout << "\*\*\*\*\*\*\*\*\*\*\*\* Linear Search \*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\n Isi dari Array adalah = " << endl;

cout << "\n Array : " <<"\t\t Data :" << endl;

for (int count=0; count < array\_size; count++) {

cout << "\t" << "array ["<<count<<"]" << "\t\t";

cout << array[count] << endl;

}

int searching\_element=0;

int flag=0;

cout << "\n\n Masukkan Data yang Anda Cari = ";

cin >> searching\_element;

flag = linear\_search(array, array\_size, searching\_element);

if (flag!=-1)

cout << "\n Data tersebut ditemukan pada posisi Array ["<<flag<<"]" << endl;

else

cout << "\n Data tersebut tidak ditemukan" <<endl;

cout << "\n Apakah Anda ingin Mencari Data Kembali (Y/N) = ";

cin >> pil;

}

while (toupper(pil)=='Y');

return 0;

}

// Function Definition

int linear\_search (int array[], int array\_size, int array\_element) {

int flag =-1;

for (int count=0; count <= array\_size; count++) {

if (array\_element == array [count]) {

flag = count;

break;

}

}

return flag;

}



