package npm06989praktikummodul2;

import java.util.Scanner;

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public class DataKaryawan {

Karyawan head;

Karyawan tail;

void tambah(DataKaryawan list, String nama, String jabatan, String alamat, float jumlahGaji) {

Karyawan karyawan = new Karyawan(nama, jabatan, alamat, jumlahGaji);

if (list.head == null) {

list.head = karyawan;

list.tail = karyawan;

} else {

karyawan.prev = list.tail;

karyawan.next = null;

list.tail.next = karyawan;

list.tail = karyawan;

}

}

void show(DataKaryawan list) {

Karyawan listView = list.head;

System.out.println("====== DATA KARYAWAN ======");

while (listView != null) {

System.out.println(detailKaryawan(listView));

listView = listView.next;

}

System.out.println("==========================");

}

void delete(DataKaryawan list, String q) {

Karyawan listView = list.head;

Scanner input = new Scanner(System.in);

if (listView == null) {

System.out.println("Data karyawan tidak tersedia !");

} else {

while (listView != null) {

if (listView.nama.equals(q)) {

System.out.println(detailKaryawan(listView));

System.out.println("Delete Karyawan : ");

int statusNext = 1;

do {

System.out.println("Delete data karyawan (y/t) ?");

System.out.print("Masukkan kode : ");

String kode = input.next();

if (kode.equals("y")) {

// front or top

if (listView.prev == null) {

System.out.println("Front");

// Karyawan temp = head.next;

// temp.next.prev = head.prev;

// head.next = temp.next;

listView.next = head.prev.next;

head.next = listView.next;

}

// mid or center

if (listView.prev != null && listView.next != null) {

listView.prev.next = listView.next;

listView.next.prev = listView.prev;

}

// last or end

if (listView.next == null) {

System.out.println("Last");

listView.prev.next = tail.next;

tail.prev = listView;

}

System.out.println("Delete data karyawan berhasil !");

} else if (kode.equals("t")) {

statusNext = 0;

System.out.println("Delete data karyawan dibatalkan !");

break;

} else {

System.out.println("Input tidak valid, Masukkan y/t untuk konfirmasi.");

}

} while (statusNext != 1);

}

listView = listView.next;

}

}

}

void edit(DataKaryawan list, String q) {

Karyawan listView = list.head;

Scanner input = new Scanner(System.in);

if (listView == null) {

System.out.println("Data karyawan tidak tersedia !");

} else {

while (listView != null) {

if (listView.nama.equals(q)) {

System.out.println(detailKaryawan(listView));

System.out.println("Edit Karyawan : ");

System.out.print("Nama : ");

String nama = input.next();

System.out.print("Jabatan : ");

String jabatan = input.next();

System.out.print("Alamat : ");

String alamat = input.next();

System.out.print("Jumlah Gaji : ");

float jumlahGaji = input.nextFloat();

int statusNext = 1;

do {

System.out.println("Simpan & update data karyawan (y/t) ?");

System.out.print("Masukkan kode :

");

String kode = input.next();

if (kode.equals("y")) {

listView.nama = nama;

listView.jabatan = jabatan;

listView.alamat = alamat;

listView.jumlahGaji = jumlahGaji;

System.out.println("Update data karywan berhasil !");

} else if (kode.equals("t")) {

statusNext = 0;

System.out.println("Update data karywan dibatalkan !");

} else {

System.out.println("Input tidak valid, Masukkan y/t untuk konfirmasi.");

}

} while (statusNext != 1);

}

listView = listView.next;

}

}

}

public String detailKaryawan(Karyawan karyawan) {

return "Detail Karyawan\nNama : " + karyawan.nama + "\nJabatan : " + karyawan.jabatan + "\nAlamat : " + karyawan.alamat + "\nJumlah Gaji : " + karyawan.jumlahGaji;

}

}

Keterangan Source Code :

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