#include <iostream>

#include <conio.h>

#include <stdlib.h>

#define max 5

using namespace std;

int id,tekan,gaji,tgl,bln,thn,code;

struct antrean

{

int atas;

int bawah;

int d\_id[max],d\_gaji[max];

int d\_thn[max],d\_bln[max],d\_tgl[max],d\_code[max];

}T;

void awal()

{

T.atas=T.bawah=-1;

}

int kosong()

{

if(T.bawah==-1)

return 1;

else

return 0;

}

int penuh()

{

if(T.bawah==max-1)

return 1;

else

return 0;

}

void input()

{

cout<<endl;

cout<<"Masukan ID Pegawai : ";cin>>id;

cout<<"Masukan Tanggal (dd/mm/yyyy) : ";cin>>tgl>>bln>>thn;

cout<<"Code barang : "; cin>>code;

cout<<"Harga barang : ";cin>>gaji;

if(kosong()==1)

{

T.atas=T.bawah=0;

T.d\_id[T.bawah]=id;

T.d\_bln[T.bawah]=bln;

T.d\_thn[T.bawah]=thn;

T.d\_tgl[T.bawah]=tgl;

T.d\_code[T.bawah]=code;

T.d\_gaji[T.bawah]=gaji;

}

else if(penuh()==0)

{

T.bawah++;

T.d\_id[T.bawah]=id;

T.d\_bln[T.bawah]=bln;

T.d\_thn[T.bawah]=thn;

T.d\_tgl[T.bawah]=tgl;

T.d\_code[T.bawah]=code;

T.d\_gaji[T.bawah]=gaji;

}

else if (penuh()==1)

cout<<"\nAntrian penuh mas !";

}

void hapus()

{

if(T.bawah==-1)

{

cout<<"KOSONG !";

}

else

{

for(int i=T.atas; i<=T.bawah-1; i++)

{

T.d\_id[i]=T.d\_id[i+1];

T.d\_bln[i]=T.d\_bln[i+1];

T.d\_thn[i]=T.d\_thn[i+1];

T.d\_tgl[i]=T.d\_tgl[i+1];

T.d\_code[i]=T.d\_code[i+1];

T.d\_gaji[i]=T.d\_gaji[i+1];

}

T.bawah--;

cout<<"DATA SUDAH KELUAR";

}

}

void tampil()

{

if(kosong()==0)

{

for(int i=T.atas;i<=T.bawah;i++)

{

cout<<"\n\tData ke-"<<i;

cout<<"\nID pegawai : "<<T.d\_id[i];

cout<<"\nTanggal Transaksi : "<<T.d\_tgl[i]<<"-"<<T.d\_bln[i]<<"-"<<T.d\_thn[i];

cout<<"\nCode Barang : "<<T.d\_code[i];

cout<<"\nHarga : "<<T.d\_gaji[i];

cout<<"\n-------------------------------------------------"<<endl;

}

}

else

cout<<"\nAntrian kosong!";

}

main()

{

int pil,data;

awal();

do{

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system("cls");

cout<<"\t MENU UTAMA";

cout<<"\n1. Input(INSERT)\n2. Hapus(DELETE)\n3. Tampil(VIEW)\n4. Keluar\nMasukkan pilihan : ";

cin>>pil;

if(pil==1)

input();

else if(pil==2)

hapus();

else if(pil==3)

tampil();

else if(pil==4)

return 0;

else

cout<<"\nTerima Kasih";

cout<<"\n\nKembali Ke Menu tekan 1 : ";cin>>tekan;

}while(tekan==1);

return 0;

}while(pil!=4);

}



