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{   Function    : Entry and Report Mhs Using Record (simple)
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    Date        : October, 17th 1998
}
uses crt;
type
    tmhs = record
        nrp      : string[8];
        nama     : string[30];
        alamat   : string[30];
        kota     : string[20];
    end;
var
    mhs      : array[1..10] of tmhs;
    jmlmhs   : byte;

procedure Entry;
var
    ada : boolean;
    i    : byte;
begin
    clrscr;
    jmlmhs:=jmlmhs+1;
    ada:=true;
    while ada=true do
    begin
        write('NRP      : ');readln(mhs[jmlmhs].nrp);
        ada:=false;
        if jmlmhs=1 then break;
        i:=1;
        while (ada=false) and (i<jmlmhs) do
        begin
            if mhs[jmlmhs].nrp=mhs[i].nrp then ada:=true;
            inc(i);
        end;
    end;
    write('Nama      : ');readln(mhs[jmlmhs].nama);
    write('Alamat    : ');readln(mhs[jmlmhs].alamat);
    write('Kota      : ');readln(mhs[jmlmhs].kota);
end;

procedure Report;
var
    i : byte;
begin
    clrscr;
    writeln('-----');
    writeln(' No.          Nama          Alamat          Kota          ');
    writeln('-----');
    for i:=1 to jmlmhs do
    begin
        with mhs[i] do
        begin
            writeln(i:2,nrp:10,nama:15,alamat:22,kota:11);
        end;
    end;
    writeln('-----');

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        writeln(' Total Mahasiswa = ',jmlmhs,' Mahasiswa');
        readkey;
end;

var
    pilih : char;
Begin
    clrscr;
    jmlmhs:=0;
    repeat
        clrscr;
        writeln('  MENU  ');
        writeln;
        writeln('1. Entry');
        writeln('2. Report');
        writeln('3. Exit');
        write('Pilihan : ');
        repeat
            pilih:=readkey;
        until (pilih>='1') and (pilih<='3');
        case pilih of
            '1' : Entry;
            '2' : Report;
            else;
        end;
    until (pilih='3');
end.

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