

Proses Perulangan

Statement repeat .. until

Kondisi yang dicek berada pada akhir proses perulangan

```
{ contoh program repeat ... until }  
program contohrepeatuntil;
```

```
uses SysUtils;
```

```
const cjudul1 = 'Perulangan repeat .. until';  
      cgaris = '-----';  
var vcounter : integer;
```

```
begin  
  writeln(cgaris);  
  writeln(cjudul1);  
  writeln(cgaris);  
  vcounter := 1;  
  repeat  
    writeln('Perulangan repeat ke : ', vcounter);  
    vcounter := vcounter + 1;  
  until vcounter > 10;  
  readkey;  
end.
```

Statemen while

Kondisi yang dicek berada pada awal proses perulangan

```
{ contoh program while }  
program contohwhile;
```

```
uses SysUtils;
```

```
const cjudul1 = 'Perulangan while';  
      cgaris = '-----';  
var vcounter : integer;
```

```
begin  
  writeln(cgaris);  
  writeln(cjudul1);  
  writeln(cgaris);  
  vcounter := 1;  
  while vcounter <= 10 do  
  begin  
    writeln('Perulangan while ke : ', vcounter);  
    vcounter := vcounter + 1;  
  end;  
  readkey;  
end.
```

Statemen for

```

{ contoh program for }
program contohfor;

uses SysUtils;

const cjudul1 = 'Perulangan for';
      cgaris = '-----';
var vcounter : integer;

begin
writeln(cgaris);
writeln(cjudul1);
writeln(cgaris);
for vcounter := 1 to 10 do
begin
  writeln('Perulangan for ke : ', vcounter);
end;
readkey;
end.

```

Variabel Array

```

{ contoh program array }
program contoharray;

uses SysUtils;

const cjudul1 = 'Contoh Array';
      cgaris = '-----';
var   i,c      : integer;
      vnama   : Array[0..10] of string;
      vumur   : Array[0..10] of integer;

begin
i := 1;
while i <= 5 do
begin
  gotoxy(1,1);write(cgaris);
  gotoxy(1,2);write(cjudul1);
  gotoxy(1,3);write(cgaris);
  gotoxy(1,4);write('Data ke : ', i);
  gotoxy(1,5);write('Nama : ');
  readln(vnama[i]);
  gotoxy(1,6);write('Umur : ');

```

```

        readln(vumur[i]);
        i := i + 1;
end;
readkey;
gotoxy(1,1);write("");
gotoxy(1,2);write('Data Pribadi');
gotoxy(1,3);write("");

gotoxy(1,5);write(cgaris);
gotoxy(1,6);write('Nama');
gotoxy(20,6);write('Umur');
gotoxy(1,7);write(cgaris);
c := 1;
while c <= 5 do
begin
    gotoxy(1,7+c);write(vnama[c]);
    gotoxy(20,7+c);write(vumur[c]);
    c := c + 1;
end;
gotoxy(1,7+c);write(cgaris);
readkey;
end.

```

```

{ contoh program array }
program contoharray;

```

```

uses SysUtils;

```

```

const cjudul1 = 'Contoh Array ';
    cgaris = '-----';
var i,c      : integer;
    vjawab   : string;
    vnama    : Array[0..10] of string;
    vumur    : Array[0..10] of integer;
begin
i := 0;
vjawab := 'Y';
while (vjawab = 'Y') or (vjawab = 'y') do
begin
    i := i + 1;
    gotoxy(1,1);write(cgaris);
    gotoxy(1,2);write(cjudul1);
    gotoxy(1,3);write(cgaris);
    gotoxy(1,4);write('Data ke : ', i);
    gotoxy(1,5);write('Nama : ');
    readln(vnama[i]);
    gotoxy(1,6);write('Umur : ');
    readln(vumur[i]);

```

```
        gotoxy(1,8);write('Akan Input Data Lagi ? [ Y / T ] : ');
        readln(vjawab);
end;
gotoxy(1,1);write("");
gotoxy(1,2);write('Data Pribadi');
gotoxy(1,3);write("");

gotoxy(1,5);write(cgaris);
gotoxy(1,6);write('Nama');
gotoxy(20,6);write('Umur');
gotoxy(1,7);write(cgaris);
c := 0;
while c <= i do
begin
    c := c + 1;
    gotoxy(1,7+c);write(vnama[c]);
    gotoxy(20,7+c);write(vumur[c]);
end;
gotoxy(1,7+c);write(cgaris);
readkey;
end.
```