

# PEMROGRAMAN 1

---

Pascal ( Looping repeat until )

# Pendahuluan

- Struktur Repeat...Until digunakan untuk mengulang pernyataan-pernyataan atau blok pernyataan sampai kondisi yang diseleksi di Until terpenuhi.
- Bentuk umumnya adalah:

***Repeat (pernyataan ) Until***

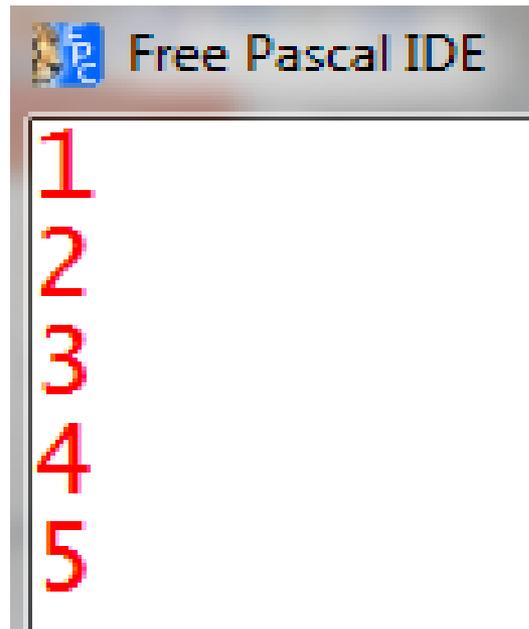
# Contoh Coding

```
uses crt;
var i:integer;

begin
clrscr;

i:=0;
repeat
            i:=i+1;
            writeln(i);
until i=5;
readln;
end.
```

# Hasil Outputnya



```
Free Pascal IDE  
1  
2  
3  
4  
5
```

- Pencetakan variabel **i** akan diulang-ulang sampai harga **i** bernilai **5**.

# Contoh Coding Repeat Until 2

```
uses crt;
var c,f:real;

begin
  clrscr;
  writeln('-----');
  writeln('   celcius           Farenheit' );
  writeln('-----');
  c:=0;
  repeat
    f:=1.8 * c +32;
    writeln(c:8:2, f:14:2);
    c:=c+1;
  until c>5;
  readln;
end.
```

# Hasil Outputnya

celcius	Farenheit
0.00	32.00
1.00	33.80
2.00	35.60
3.00	37.40
4.00	39.20
5.00	41.00

# Contoh Coding Repeat Until Bersarang

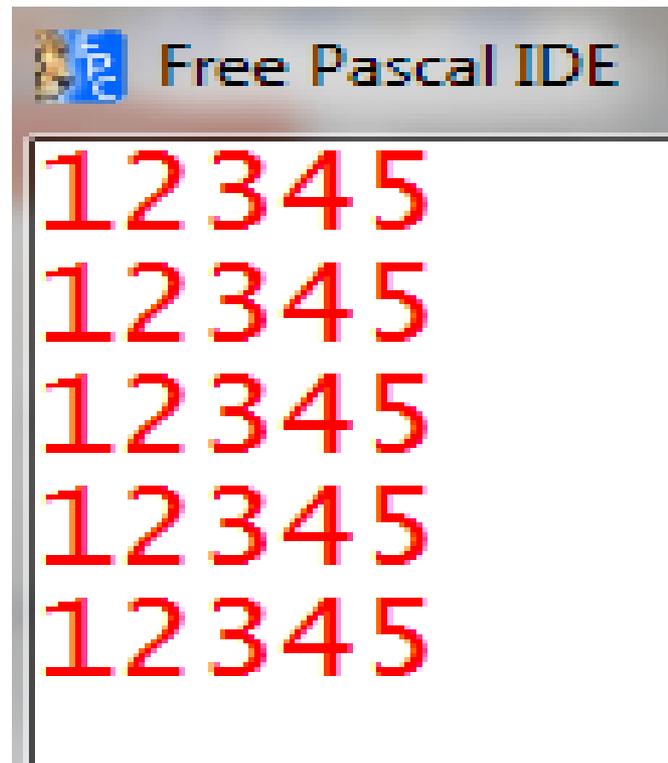
```
uses crt;
var c,f,d:integer;

begin
clrscr;

c:=1;
repeat
    f:=1;
    repeat
        write(f);
        f:=f+1;
    until f>5;

writeln;
c:=c+1;
until c>5;
readln;
end.
```

# Hasil Outputnya



```
Free Pascal IDE  
12345  
12345  
12345  
12345  
12345
```