

# LOGICAL PROGRAMMING



- برمجة المنطق
- خريف 2024-2025م
- د. سناء ابولجام

## for Loop Logical

الصيغة العامة

for(I,N):-I>N,I.

for(I,N):-I<N,I1 is I+1,statement,for(I1,N).

```
for(int i=0;i<n;i++)  
{  
    statement  
}
```

**Example**\Write The number I between N.

solution\\

for(I,N):-I>N,I.

for(I,N):-I=<N,I1 is I+1,writeln(I),for(I1,N).

o

```
for(I,N):-I>N,!.
```

```
for(I,N):-I<N,I1 is I+1,writeln(I),for(I1,N).
```

▲

I

```
r(I,N) :- I>N, !.
```

```
r(I,N) :- I=<N, I1 is I+1, writeln(I), for(I1,N).
```



SWI-Prolog (AMD64, Multi-threaded, version 8.0.3)

File Edit Settings Run Debug Help

?-

ERROR: [Thread pce] c:/users/net/desktop/for.pl:1: Operator expected  
at c:/users/net/desktop/for loop compilation  
?- for(0,10).  
**false.**

I?-

**I** c:/users/net/desktop/for loop compilation

?- for(0,10).

0

1

2

3

4

5

6

7

8



ANY QUESTION ?? •