
CS 241

Control Structures

Christopher A. Gantz

SPS Undergraduate Program
Regis University
cgantz@regis.edu

Lecture Topic #9, part b

CS 241: Nesting (Loops)

Christopher A. Gantz
School of Professional Studies
Regis University
cgantz@regis.edu

Overview

- Reading
 - Nance textbook Pages 279-309
- Nesting(Loops)
 - Nested Loops
 - Examples

Nesting (Loops)

- Loop nesting is simply having a loop as a body of the loop for an outer loop
- Example

```
FOR K := 1 TO 5 DO
```

```
    FOR J := 1 TO 3 DO
```

```
        Writeln(K+J);
```

- See Example 6.28 on page 288 of Text

Nested (Looping) (Cont.)

- Common I/O example template:

```
WHILE NOT eof DO
```

```
  BEGIN
```

```
    WHILE NOT eoln DO
```

```
      BEGIN
```

```
        {Process line of data }
```

```
      END; { of WHILE NOT eoln loop }
```

```
    END; { of WHILE NOT eof loop }
```

