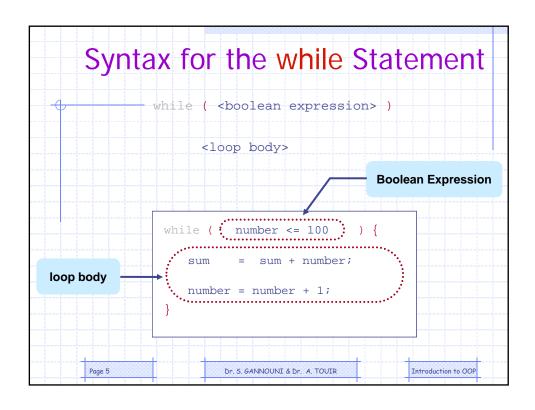


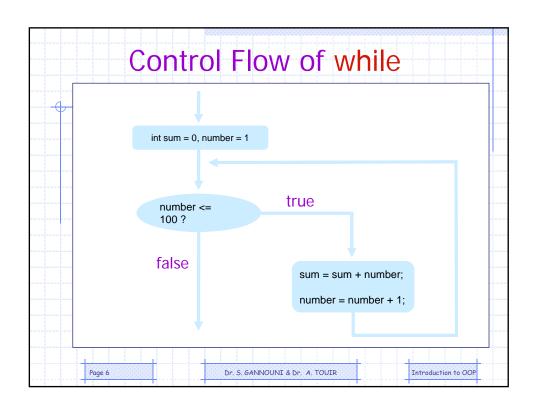
Definition

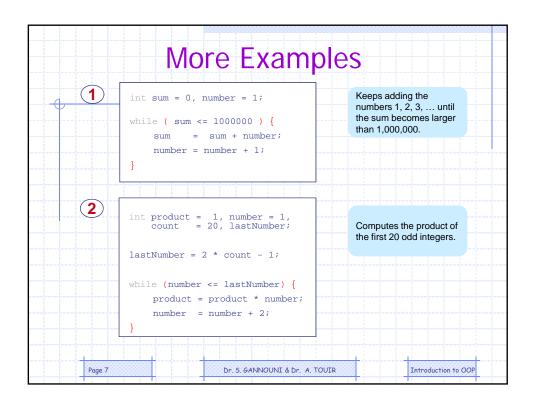
- Repetition statements control a block of code to be executed for a fixed number of times or until a certain condition is met.
- There are three types of repetition:
 - Count-controlled repetitions terminate the execution of the block after it is executed for a fixed number of times.
 - Sentinel-controlled repetitions terminate the execution of the block after one of the designated values called a *sentinel* is encountered.
 - Flag-controlled repetitions terminate the execution of the block after one of the designated values called a *sentinel* is encountered.
- Repetition statements are called loop statements also.

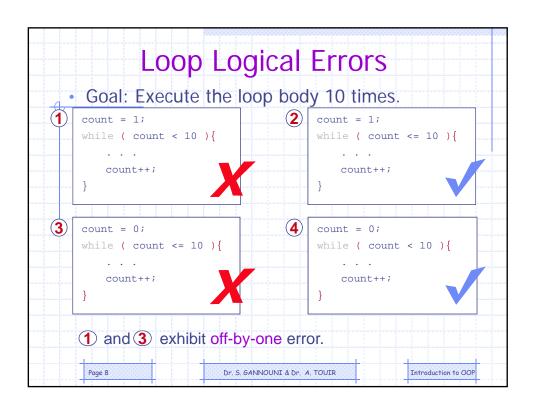
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int sum = 0, number = 1; while (number <= 100) { sum = sum + number; number = number + 1; }</pre> These statements are executed as long as number is less than or equal to 100. Page 4 Dr.S. GANNOUNI & Dr. A. TOUIR Introduction to OOP









```
The do-while Statement

int sum = 0, number = 1;

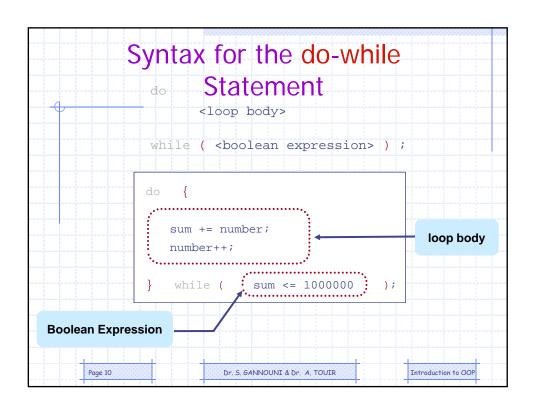
do {

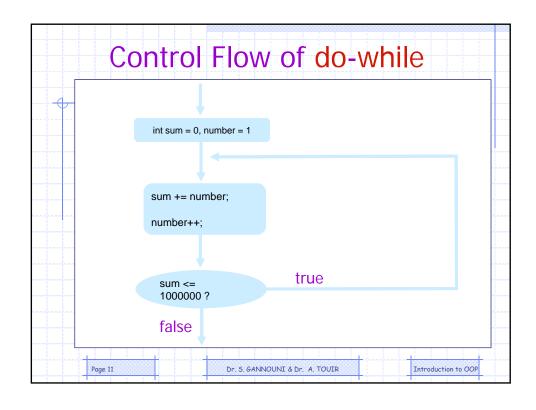
sum += number;
number++;

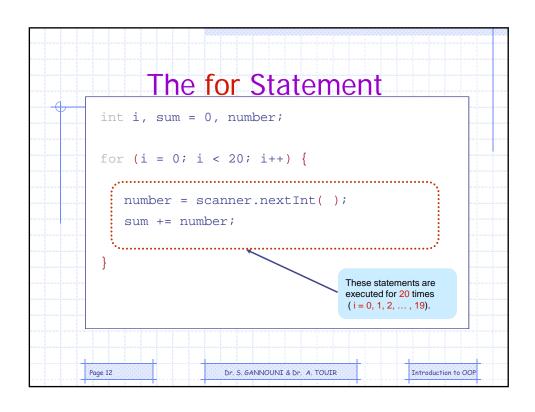
number++;

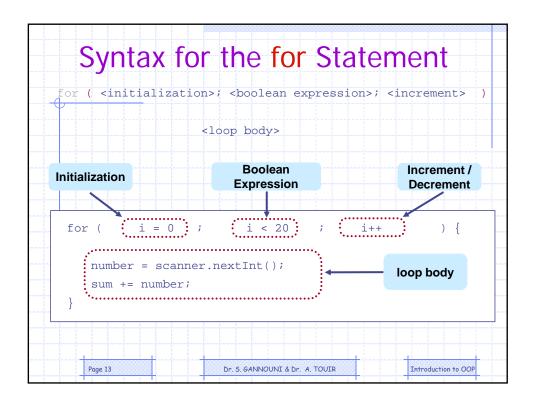
} while ( sum <= 1000000 );

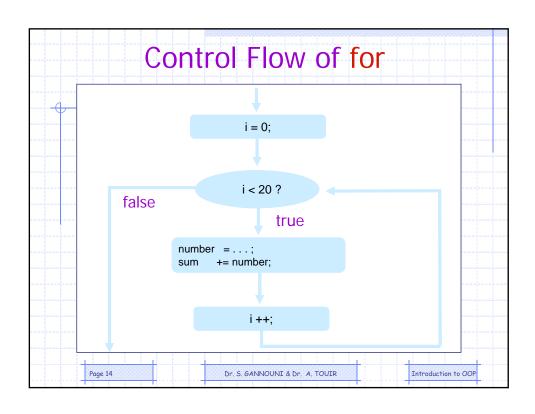
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```

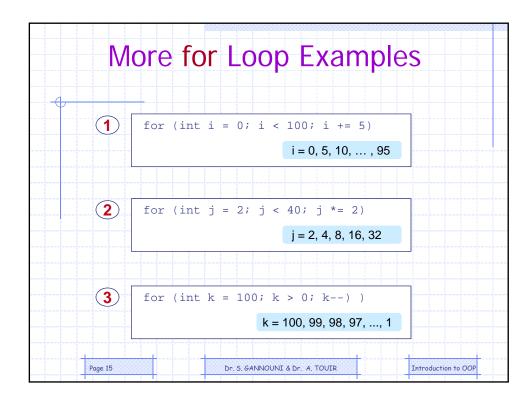


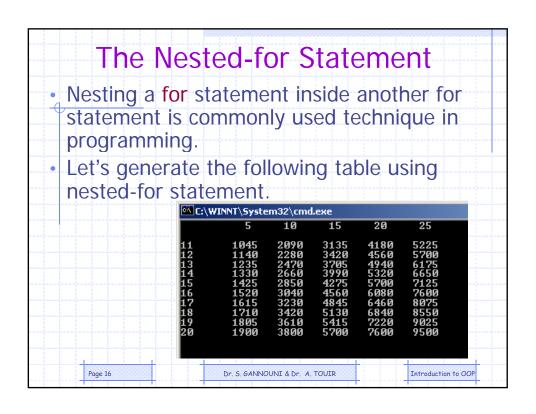












```
Generating the Table

int price;
for (int width = 11; width <=20, width++){

for (int length = 5, length <=25, length+=5){

price = width * length * 19; //$19 per sq. ft.

System.out.print (" " + price);
}

//finished one row; move on to next row
System.out.println("");
}

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```