List of Topics

Data Types and their Sizes
Casting and Promotion between different data types
Operators - order of precedence

Comparison Operators
Boolean Expressions / Truth tables
if and if/else statements (hanging else, nested ifs, short circuit ifs)
for loops (and backward for loops)
while loops
do-while loops
switch statement

Input(Scanner class) and Output

Methods (both void and 'functions')
Method parameters (formal parameters, actual parameters)
Variable scope

1D Arrays
  declaring and creating
  length of arrays
  modifying arrays

Algorithms:
  convert from binary to decimal
  generate random numbers in a specified range using Math.random()
  convert from char in String s (with s.charAt(j)) to 'equivalent' integer
  swapping values of two variables
  compute field width of a positive integer (and get its digits)
  copy and reversing arrays (using extra storage and in place)