LOOPs in Java (3 kinds)

While loop  
(does pre-test)

Do loop  
(does counting)

For loop  
(does post-test)

Flow Block Diagrams of the Java Loops

Examples: Loops to output values from M to N by step of S

// Loop & count  
// with a while  
// (pre-test)
int i = M;
while (i <= N) {
    OutInt (i);
    i = i + S;
} // endWhile

// Loop & count  
// with a do  
// (post-test)
int j = M;
do {
    OutInt (j);
    j = j + S;
} while (j <= N);

// Loop & count  
// with a for  
// (pre-test)
int k;
for (k = M; k <= N; k += S) {
    OutInt (k);
} // end for