Don Petersen

Seminar 3 Discussion Questions

1) What are the three repetition control structures in C++ and what are the rules for when each should be used?

The three types of repetition control structures in C++ are the For loop, the While loop, and the do…while loop. For and While loops are pretest loops and the do…while loop is a posttest loop. To know which the best to use is will depend on the situation you face. If you know or can determine in advance the number of repetitions needed, then it is best to use a For loop. If you do not know and cannot determine in advance the number of needed repetitions and it is possible that there are zero needed repetitions, than the While loop is best. Alternatively, if you do not know and cannot determine in advance the number of repetitions and it is at least one, than the do…while loops is the best choice.