CRT Chap5

1. To keep performing actions until a specific condition is satisfied.

2. A "do while" loop performs the action first and then checks if the condition is true, while a "while" loop checks the condition first before performing the action.

3. Guessing Game Assignment

4. a) A loop that continues indefinitely.
b) The loop can become infinite if the condition is always true or due to a syntax error, such as forgetting to add a semicolon at the end of a line.
c) If the value exceeds the limit defined in the code, a float can only hold a specific number of decimal places. Overflow occurs when the value surpasses this limit.

5. It will run the loop 60 times.

6. Everything 120 and below

7.Counters tally the number of values, while accumulators sum all the numbers to get the total.

8. for (int i = 3; i <= 10; i++) {total += i;}

9. Choosing a loop depends on two factors: whether you want the loop to repeat a specific number of times or to continue until a certain condition is met.