1. For loop has 2-parts. A header specifying the iteration and a body which is executed once per iteration. Header declares explicit loop counter or loop variable allwing the body to know which iteration to be executed
2. After exiting the loop, control goes to the stataments which are after the loop. The body of the loop can contain more than one statement. If it contains only 1 statement then the curly braces are not compulsory
3. ++Y is a preincrement which means that it will increment the value first then return Y value. Whilst the reverse Y++ will return the current Y value then increment as it is a post increment
4. While loop will repeatedly execute the target statement as long as a given condition is true. Condition may be any expression and true is any non zero value
5. When the target condition specified is true
6. The condition is tested at the beginning of each iteration of the loop and depending on what value is returned(zero or non-zero value) . Which will then decide if the body will be executed or not
7. While loop normally for scenarios where you are not sure how many times a loop will actually execute in run time
8. Do-while loop is used where your loop should execute at least one time. The main diff from the normal while loop is that it executes statements inside the body of the do while loop before checking the condition. Which is the reverse of how the while loop checks
9. It functions the same as a while loop
10. At the end of the body within the do while loop
11. Is basically embedding a loop inside another loop, normally used in matrix or multi dimensional arrays
12. Multi dimensional arrays is an array with more than one level of dimension. 2D array is an array of arrays while 3D adds another dimension
13. All types may be nested most common is for loops
14. While is preferred as normally a target situation has to be true for the main body of the loop to work hence we should check unless specified to not do so that the target condition is true before running the body.
15. ???