HOMEWORK ASSIGNMENT: CHAPTER 12

**Question 12.1:**

Provide an explanation of MC/DC vs. compound condition adequacy with regard to the compound expression: for ( n=0 ; n<max\_size && (c=getc(yyin))!=EOF && c!=’\n’ ; n++)

**Response:**

By determining which basic conditions within the above compound conditional expression have an effect on the overall conditional expression’s evaluation, we can simplify the number of test cases required to ensure statement and branch coverage that follows the program’s evaluation of it. MC/DC is the type of coverage-adequacy extension that ensures the program is thorough, in regard to its execution sequence, with minimal burden to the test suite developers, in other words.

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**Question: 10.3:**

**Response:**