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Good Day DR OGUNTIMILEHIN, how are you doing Sir. I hope you and your family are doing fine. Stay safe Sir and God bless you.

Question: Explain Loop & Switch Scanner.

Loop and Switch can be seen as scanner implementation methods. The loop and switch implementation consist of a main loop that reads characters one by one from the input file and uses a switch statement to process the character(s) just read.

When this Is done, the result is a list of tokens and lexemes from the source program.

The syntax of a switch case statement is shown below.

switch (n)

{

case 1: // code to be executed if n = 1;

break;

case 2: // code to be executed if n = 2;

break;

default: // code to be executed if n doesn't match any cases

}

The syntax of a loop statement is as follows;

for (statement 1; statement 2; statement 3) {

// code block to be executed

}