First of all: encoding the DFA states as:

# 1 = start

# 2 = incomment

# 3 = inum

# 4 =inid

# 5= inassign

Output state = done

* Then making while loop to go across the characters in the file
* Then implementing the transitions between the states linked with 6 functions to control them using next and current variables when reaching the Done state we use the variable last to determine what to print in the output file
* A small issue happens when a just one character needed to be printed after number or so as the last output happens when the character is in use by the current iteration in the while loop and in the next iteration the character is lost so we solve this by calling the first state directly in the output state before recalling the first state again in the while loop