**PRACTICAL-7**

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|  | **Problem statement**  **Write a C program to Print out all numbers from given file.** |

**SOLUTION:**

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| **CODE:**  // Lex program to Print out all numbers from given file  #include <stdio.h>  #include <stdlib.h>  #include <ctype.h>  int main() {  FILE \*file;  char c;  int number = 0;  int inNumber = 0;  // Attempt to open the file for reading  file = fopen("text7.txt", "r");  // Check if the file was opened successfully  if (file == NULL) {  printf("Error: Could not open file.\n");  return 1;  }  // Read each character from the file  while ((c = fgetc(file)) != EOF) {  // Check if the character is a digit or a sign  if (isdigit(c)) {  // If we are still reading a number, build it  number = number \* 10 + (c - '0');  inNumber = 1;  } else {  // If we encounter a non-digit and were in a number, print the number  if (inNumber) {  printf("%d\n", number);  number = 0; // Reset number for the next potential number  inNumber = 0; // Reset flag  }  }  }  // Print the last number if the file doesn't end with a non-digit  if (inNumber) {  printf("%d\n", number);  }  // Close the file  fclose(file);  return 0;  }  **OUTPUT:** |