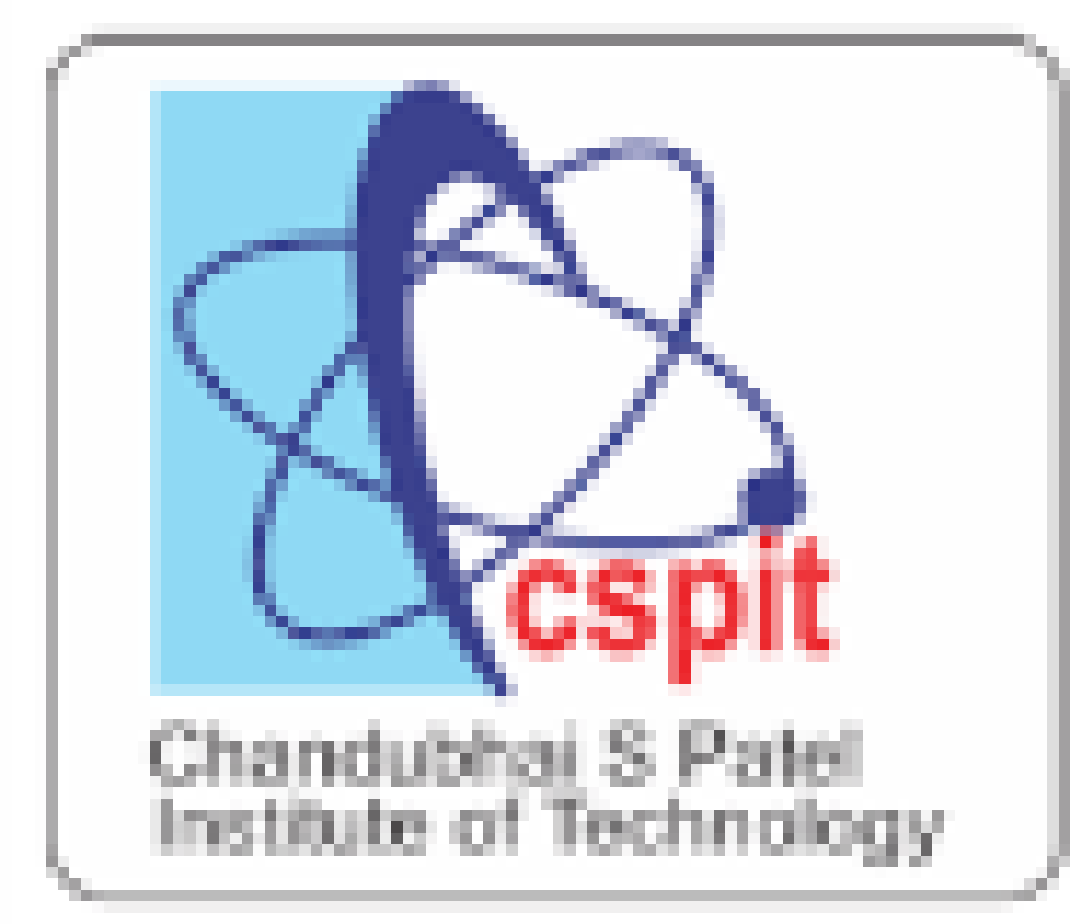
** **

**Faculty of Technology and Engineering**

**Computer Science and Engineering**

**Practical**

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| --- | --- | --- | --- | --- | --- |
| Academic Year | : | 2025-26 | Semester | : | 6 |
| Course code | : | CSE312 | Course name | : | Design of language processing |

**Practical - 4**

**Aim:**

1. **Objective 3:** Write a program to count number of characters, word and lines from the input file.
2. **Program (Code)**

%{

#include <stdio.h>

int char\_count = 0;

int word\_count = 0;

int line\_count = 0;

%}

%%

\n { char\_count++; line\_count++; }

[ \t]+ { char\_count += yyleng; }

[^ \t\n]+ { word\_count++; char\_count += yyleng; }

%%

int yywrap() {

return 1;

}

int main(int argc, char \*argv[]) {

if (argc < 2) {

printf("Usage: %s <input\_file>\n", argv[0]);

return 1;

}

FILE \*file = fopen(argv[1], "r");

if (!file) {

printf("Error: Cannot open file %s\n", argv[1]);

return 1;

}

yyin = file;

yylex();

fclose(file);

printf("Characters : %d\n", char\_count);

printf("Words : %d\n", word\_count);

printf("Line : %d\n", line\_count);

return 0;

}

1. **Output (Screen Shot)**

|  |
| --- |
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