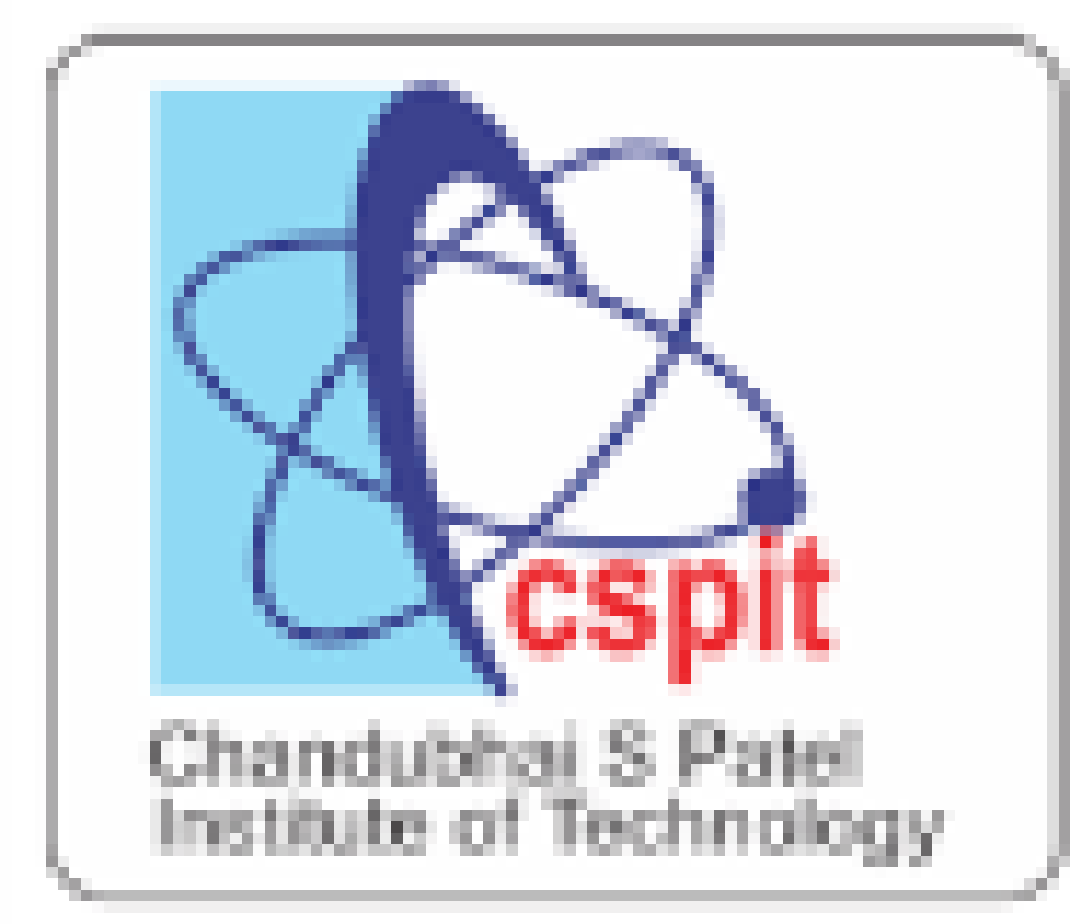
** **

**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 which validate the password as per given rules.

* length can be 9 to 15 characters
* includes lower case letter, upper case letter, digit, symbols (\*, ; # $ @)
* minimum count for each category must be one

1. **Program (Code)**

%{

#include <stdio.h>

#include <string.h>

#include <ctype.h>

int has\_lower = 0, has\_upper = 0, has\_digit = 0, has\_special = 0;

char password[100];

int pwd\_len = 0;

%}

%%

[a-z] { password[pwd\_len++] = yytext[0]; has\_lower = 1; }

[A-Z] { password[pwd\_len++] = yytext[0]; has\_upper = 1; }

[0-9] { password[pwd\_len++] = yytext[0]; has\_digit = 1; }

[\*,;#$@] { password[pwd\_len++] = yytext[0]; has\_special = 1; }

\n { password[pwd\_len] = '\0'; return 0; }

. { password[pwd\_len++] = yytext[0]; }

%%

int yywrap() {

return 1;

}

int main() {

// printf("Enter password:\n");

yylex();

int valid = 1;

// Check length (9 to 15 characters)

if (pwd\_len < 9 || pwd\_len > 15) {

valid = 0;

}

// Check minimum count for each category

if (!has\_lower || !has\_upper || !has\_digit || !has\_special) {

valid = 0;

}

if (valid) {

printf("Valid password\n");

} else {

printf("Invalid password\n");

}

return 0;

}

1. **Output (Screen Shot)**

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| --- |
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