**PRACTICAL 5**

**AIM - Conversion of decimal to hexadecimal number in a file.**

%{

#include <stdio.h>

#include <stdlib.h>

void dec\_to\_hex(int num) {

char hex[20];

int i = 0, temp = num;

if (num == 0) {

printf("Decimal: 0 -> Hexadecimal: 0\n");

return;

}

while (num > 0) {

int rem = num % 16;

hex[i++] = (rem < 10) ? rem + '0' : rem - 10 + 'A';

num = num / 16;

}

printf("Decimal: %d -> Hexadecimal: ", temp);

while (i--)

putchar(hex[i]);

putchar('\n');

}

%}

%%

[0-9]+ { dec\_to\_hex(atoi(yytext)); }

.|\n ;

%%

int main() {

yylex();

return 0;

}



