**Compiler Lab Report**

**Experiment: 01**

**Submitted By**

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Roll – 01

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**Name of the Experiment**

Conversion of Roman numbers to Decimal numbers using Flex

**Source Code**

%%

int total = 0;

I total += 1;

IV total += 4;

V total += 5;

IX total += 9;

X total += 10;

XL total += 40;

L total += 50;

XC total += 90;

C total += 100;

CD total += 400;

D total += 500;

CM total += 900;

M total += 1000;

\n return total;

%%

int main() {

while( 1 ) {

printf("Enter a roman number : ");

int decimal\_val = yylex ();

printf("Decimal value : %d\n",decimal\_val);

}

return 0;

}

int yywrap() {

return 0;

}

**Sample Input Output**

Enter a roman number : XV

Decimal value : 15

Enter a roman number : MMXII

Decimal value : 2012

Enter a roman number : CI

Decimal value : 101