B SOMU SASHANK

1RV18CS038

Experiment No-1(a)

Writing a scanner

A Scanner should create a token stream from the source code.

Step1- Write down the regular expression for recognising characters, words, white spaces,

lines etc.

Step2- Declare the variables.

Step 3- Write down the necessary auxiliary functions.

program

%{

#include<stdio.h>

int l=0,w=0,c=0,whi=0;

%}

%%

\n l++;

[ ] {whi++;c++;}

([a-zA-Z0-9]\*) {w++;c=c+yyleng;}

%%

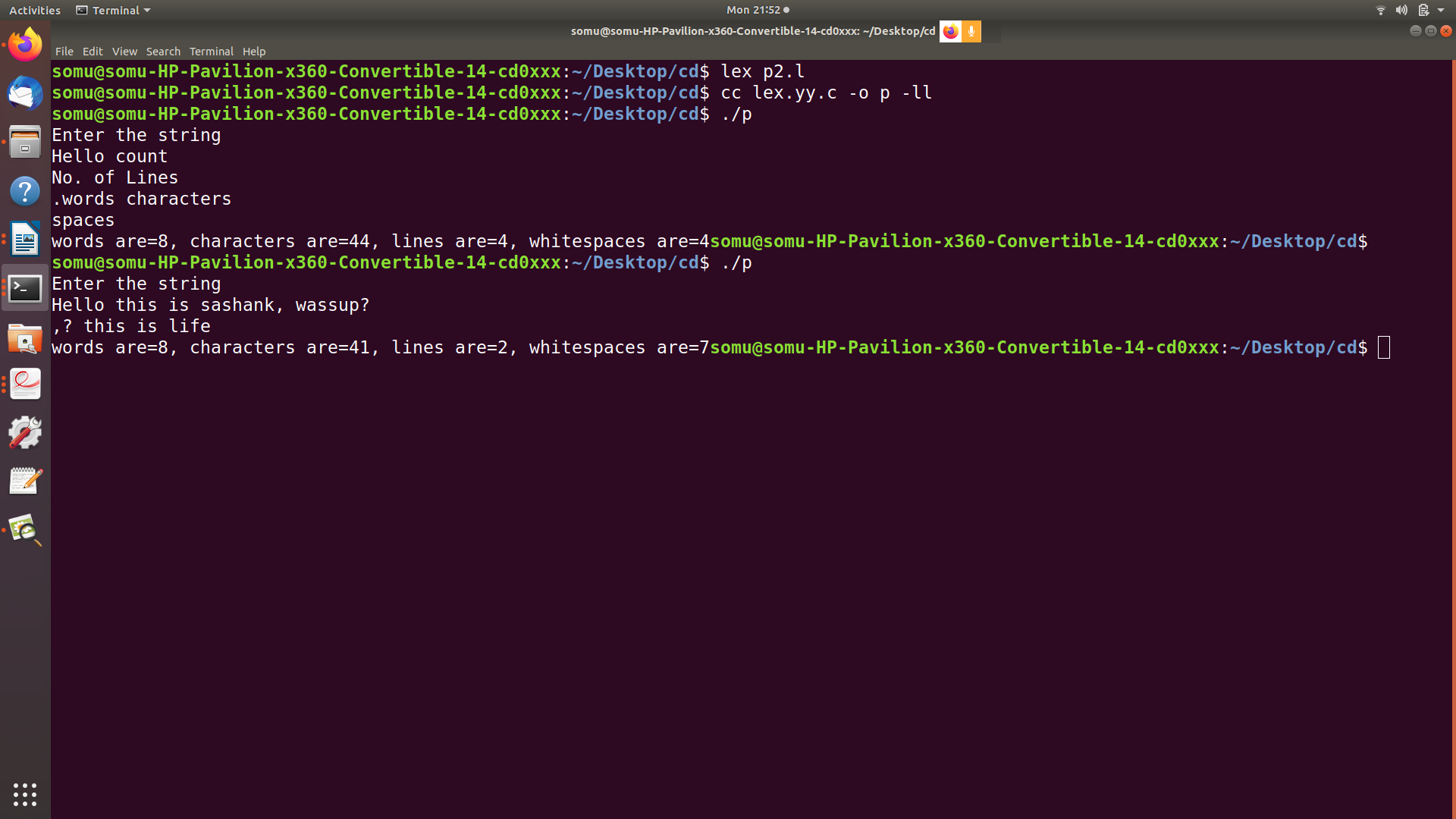
int main()

{

printf("Enter the string\n");

yylex();

printf("words are=%d, characters are=%d, lines are=%d, whitespaces are=%d",w,c,l,whi);

}