MIHIR GHARAT

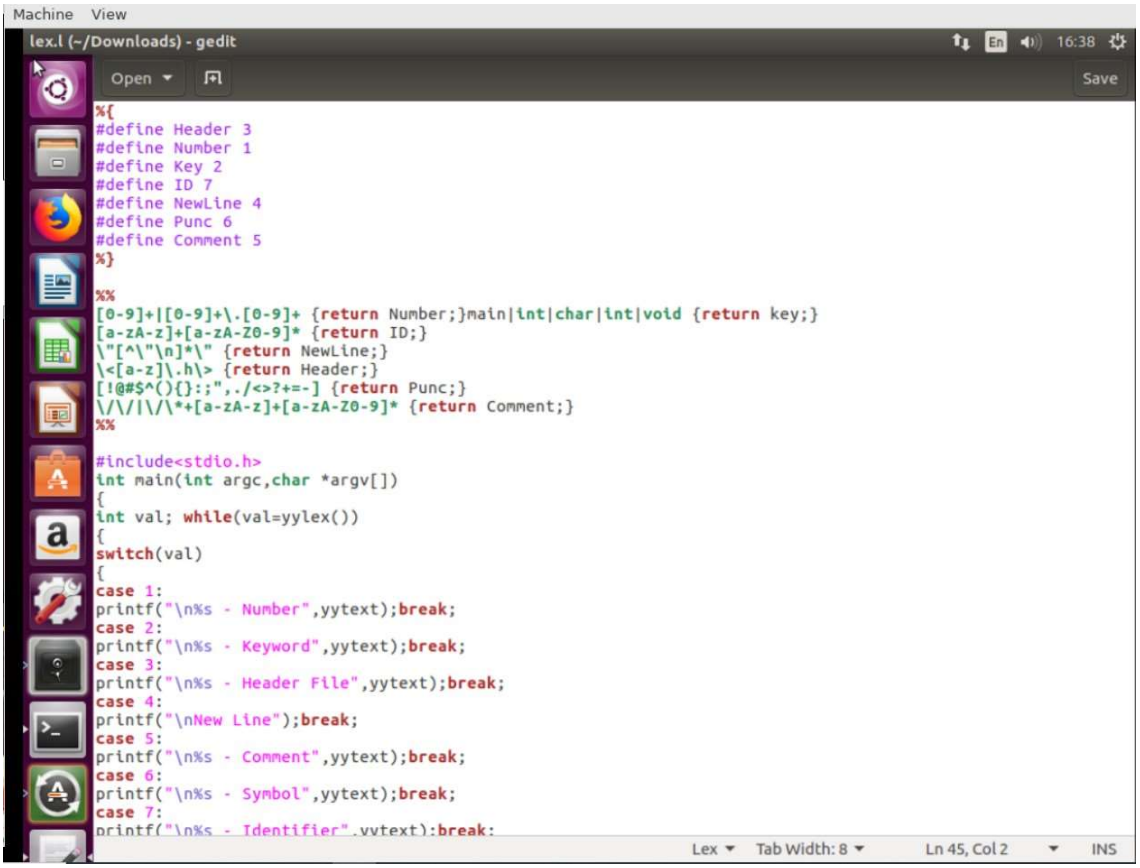
OUTPUTS:

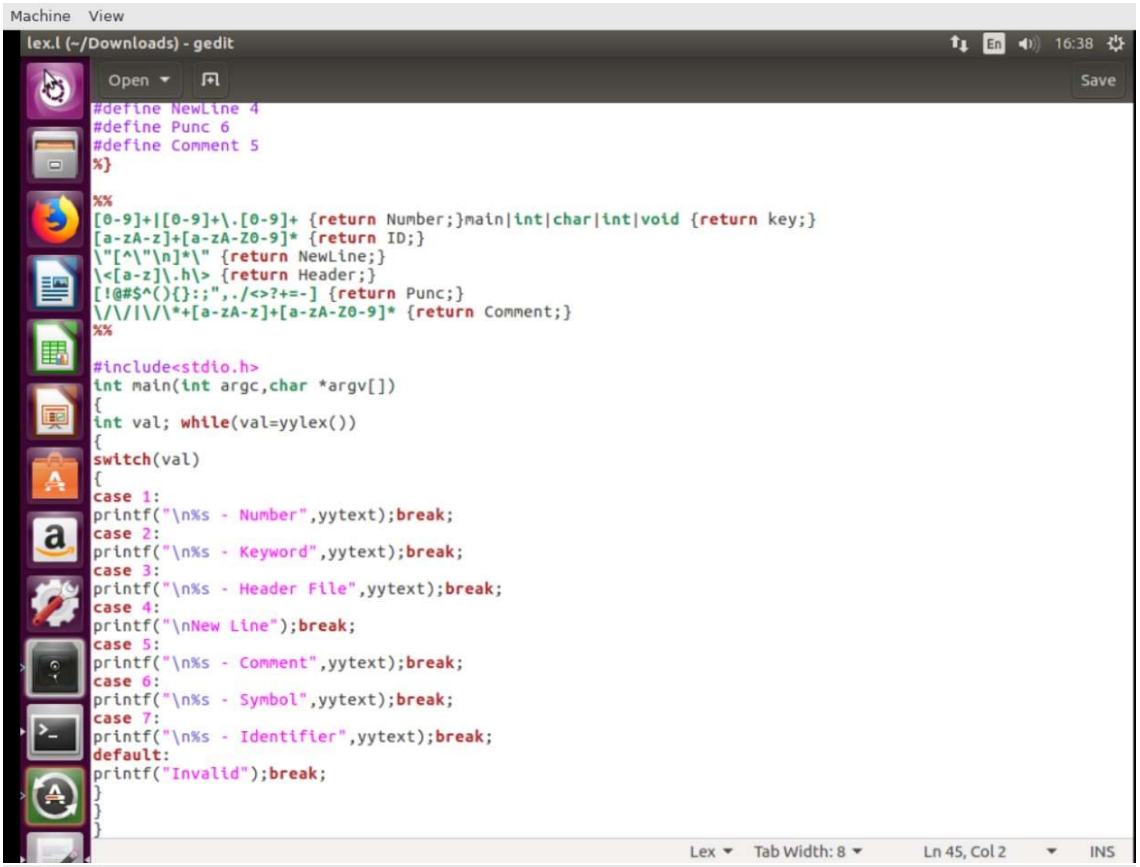
Sudo apt-get update

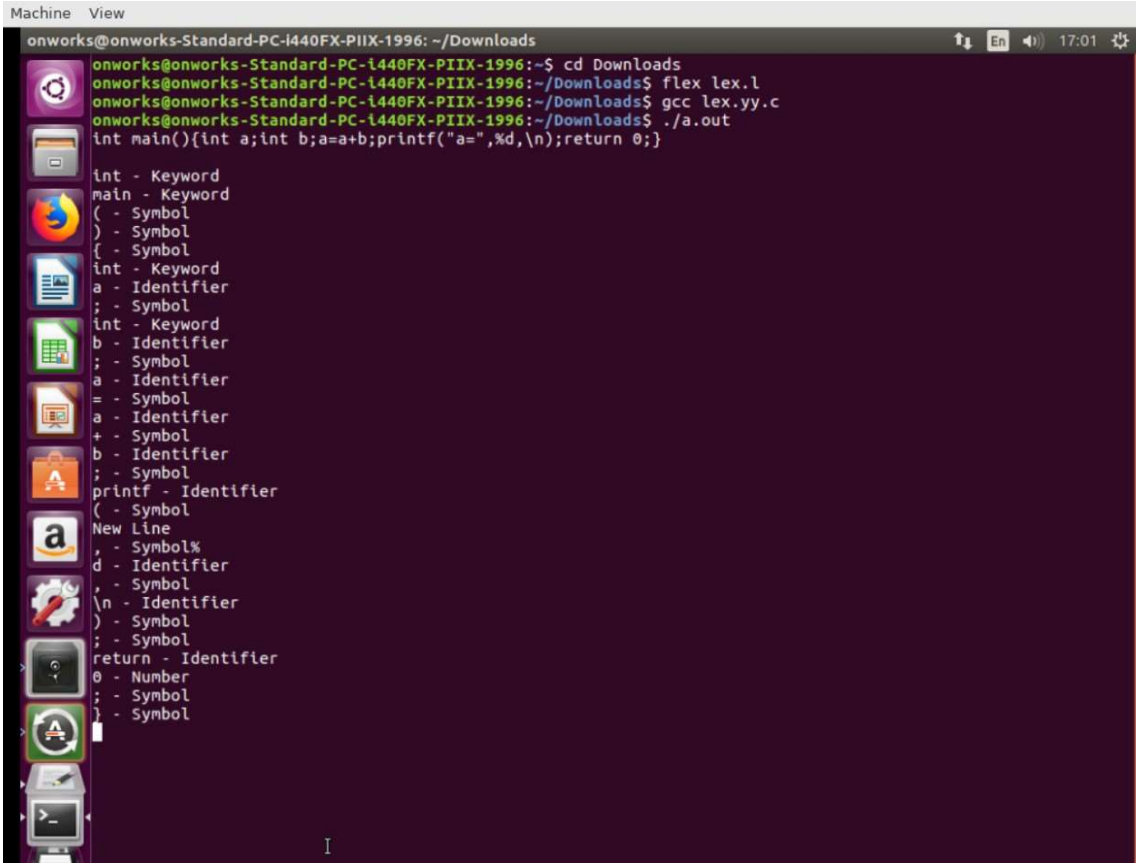
Sudo apt-get install flex

Cd Downloads

Gedit lex.l




Machine View
lex.l (~/Downloads) - gedit
16:38
Open
Save
#define NewLine 4
#define Punc 6
#define Comment 5
%}
%%
[0-9]+|[0-9]+\.[0-9]+ {return Number;}main|int|char|int|void {return key;}
[a-zA-z]+[a-zA-Z0-9]* {return ID;}
\"[^\"\n]*\" {return NewLine;}
\<[a-z]\.h\> {return Header;}
[!@#$^(){}:;",./<>?+=-] {return Punc;}
\/\/|\/*+[a-zA-z]+[a-zA-Z0-9]* {return Comment;}
%%
#include<stdio.h>
int main(int argc,char *argv[])
{
int val; while(val=yylex())
{
switch(val)
{
case 1:
printf("\n%s - Number",yytext);break;
case 2:
printf("\n%s - Keyword",yytext);break;
case 3:
printf("\n%s - Header File",yytext);break;
case 4:
printf("\nNew Line");break;
case 5:
printf("\n%s - Comment",yytext);break;
case 6:
printf("\n%s - Symbol",yytext);break;
case 7:
printf("\n%s - Identifier",yytext);break;
default:
printf("Invalid");break;
}
}
}
Lex
Tab Width: 8
Ln 45, Col 2
INS


Machine View
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Downloads
17:01
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~$ cd Downloads
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Downloads$ flex lex.l
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Downloads$ gcc lex.yy.c
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Downloads$ ./a.out
int main(){int a;int b;a=a+b;printf("a=",%d,\n);return 0;}
int - Keyword
main - Keyword
(- Symbol
) - Symbol
{ - Symbol
int - Keyword
a - Identifier
; - Symbol
int - Keyword
b - Identifier
; - Symbol
a - Identifier
= - Symbol
a - Identifier
+ - Symbol
b - Identifier
; - Symbol
printf - Identifier
(- Symbol
New Line
, - Symbol%
d - Identifier
, - Symbol
\n - Identifier
) - Symbol
; - Symbol
return - Identifier
0 - Number
; - Symbol
} - Symbol