

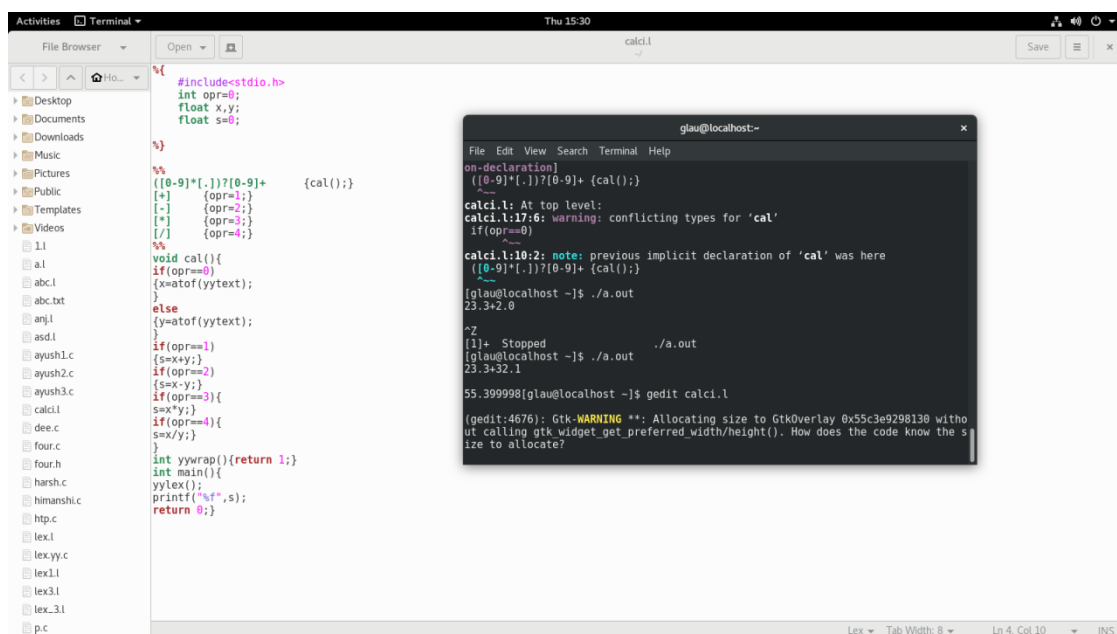
## CALCULATOR IMPLEMENTATION

```
%{
    #include<stdio.h>
    int opr=0;
    float x,y;
    float s=0;

}%

%%
([0-9]*[.])?[0-9]+      {cal();}
[+]      {opr=1;}
[-]      {opr=2;}
[*]      {opr=3;}
[/]      {opr=4;}
%%

void cal(){
if(opr==0)
{x=atof(yytext);
}
else
{y=atof(yytext);
}
if(opr==1)
{s=x+y;}
if(opr==2)
{s=x-y;}
if(opr==3){
s=x*y;}
if(opr==4){
s=x/y;}
}
int yywrap(){return 1;}
int main(){
yylex();
printf("%f",s);
return 0;}
```



```
Activities Terminal Thu 15:30
File Browser Open calci.l Save
< > ^ Home
> Desktop
> Documents
> Downloads
> Music
> Pictures
> Public
> Templates
> Videos
1.l
a.l
abc.l
abc.txt
anj.l
asd.l
ayush1.c
ayush2.c
ayush3.c
calci.l
dee.c
four.c
four.h
harsh.c
himanshi.c
http.c
lex.l
lex.yy.c
lex1.l
lex3.l
lex_3.l
p.c

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[/]      {opr=4;}
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int yywrap(){return 1;}
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yylex();
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```
glau@localhost:~$ gcc -o a.out calci.l
calci.l: At top level:
calci.l:17:6: warning: conflicting types for 'cal'
if(opr==0)
^~
calci.l:10:2: note: previous implicit declaration of 'cal' was here
([0-9]*[.])?[0-9]+ {cal();}
^~
[glau@localhost ~]$ ./a.out
23.3+2.0
^Z
[1]+  Stopped                  ./a.out
[glau@localhost ~]$ ./a.out
23.3+32.1
55.399998[glau@localhost ~]$ gedit calci.l
(gedit:4676): Gtk-WARNING **: Allocating size to GtkOverlay 0x55c3e9298130 without calling gtk_widget_get_preferred_width/height(). How does the code know the size to allocate?
```

