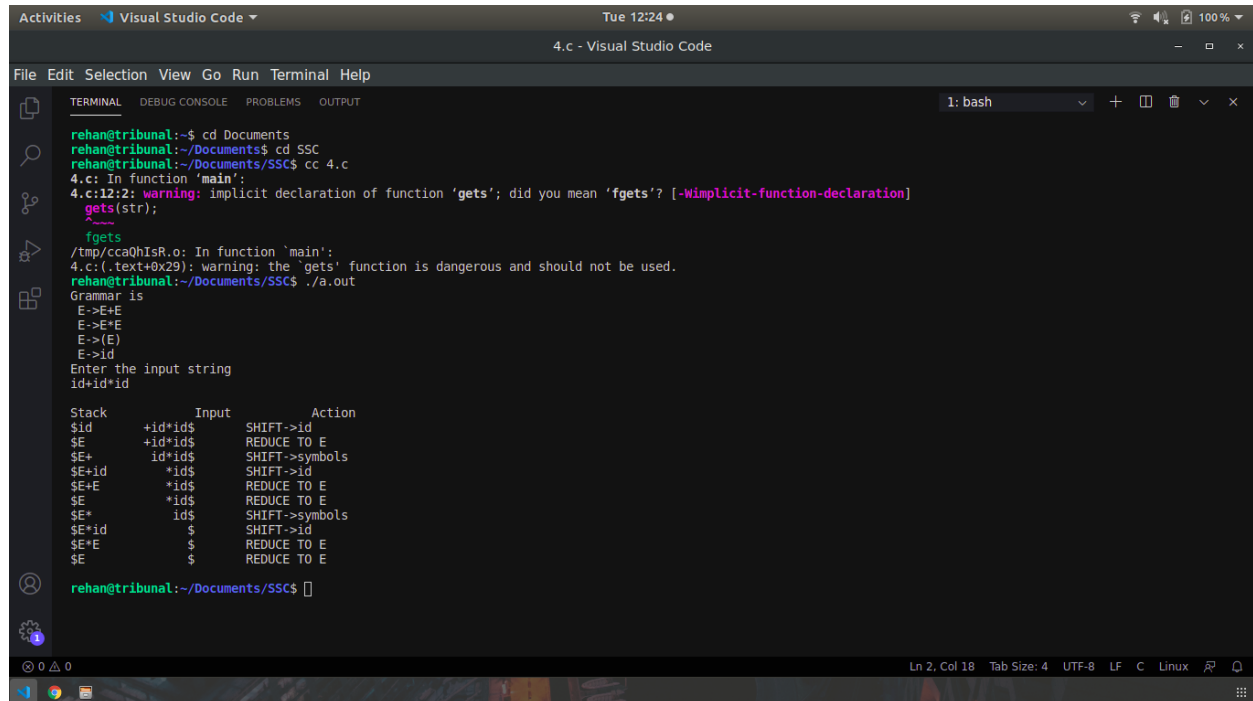


# OUTPUT:



```
rehan@tribunal:~$ cd Documents
rehan@tribunal:~/Documents$ cd SSC
rehan@tribunal:~/Documents/SSC$ cc 4.c
4.c: In function 'main':
4.c:12:2: warning: implicit declaration of function 'gets'; did you mean 'fgets'? [-Wimplicit-function-declaration]
    gets(str);
    ^~~~~
    fgets
/tmp/ccaQhIsR.o: In function 'main':
4.c:(.text+0x29): warning: the 'gets' function is dangerous and should not be used.
rehan@tribunal:~/Documents/SSC$ ./a.out
Grammar is
E->E+E
E->E*E
E->(E)
E->id
Enter the input string
id+id*id

Stack      Input      Action
$id        +id*id$      SHIFT->id
$E         +id*id$      REDUCE TO E
$E+        id*id$      SHIFT->symbols
$E+id      *id$        SHIFT->id
$E+E       *id$        REDUCE TO E
$E         *id$        REDUCE TO E
$E+        id$        SHIFT->symbols
$E+id      $          SHIFT->id
$E+E       $          REDUCE TO E
$E         $          REDUCE TO E
```