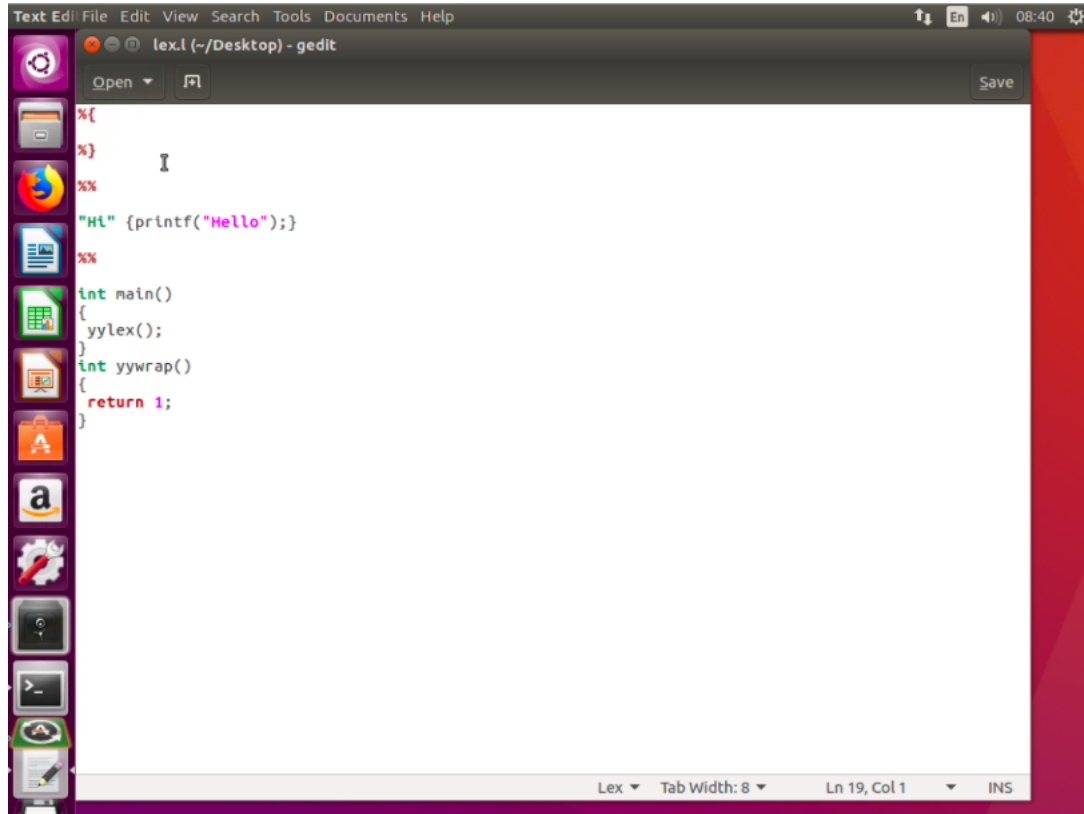


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PRN:18070122081

Batch: C3

LEX PROGRAM



```
%{  
%}  
%%  
"Hi" {printf("Hello");}  
%%  
int main()  
{  
    yylex();  
}  
int yywrap()  
{  
    return 1;  
}
```

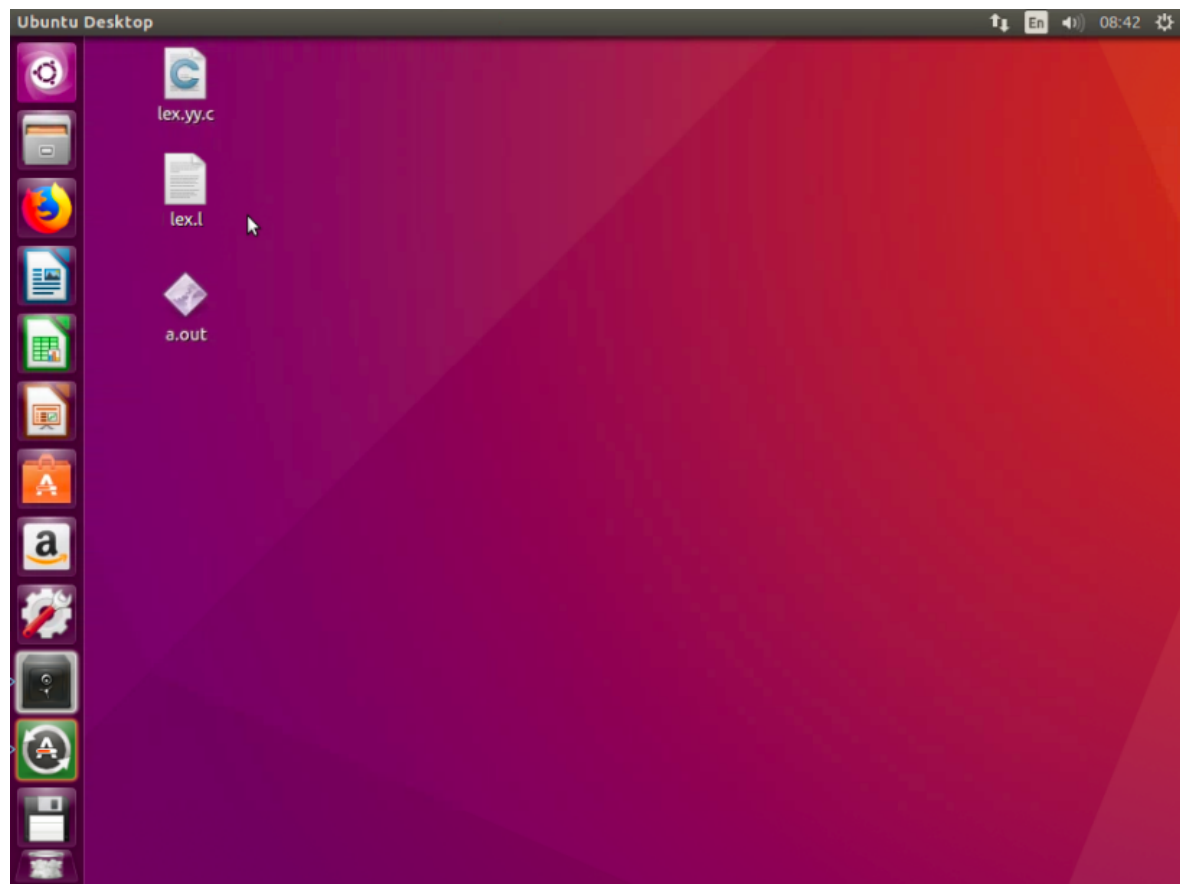
FLEX INSTALLATION

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~$ cd Desktop
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ lex lex.l
The program 'lex' can be found in the following packages:
* flex
* flex-old
Try: sudo apt install <selected package>
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ sudo apt install flex
[sudo] password for onworks:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  linux-headers-4.15.0-45 linux-headers-4.15.0-45-generic
  linux-image-4.15.0-45-generic linux-modules-4.15.0-45-generic
  linux-modules-extra-4.15.0-45-generic
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libfl-dev libsigsegv2 m4
Suggested packages:
  bison
The following NEW packages will be installed:
  flex libfl-dev libsigsegv2 m4
0 upgraded, 4 newly installed, 0 to remove and 395 not upgraded.
Need to get 505 kB of archives.
```

LEX PROGRAM OUTPUT

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop
Preparing to unpack .../archives/m4_1.4.17-5_i386.deb ...
Unpacking m4 (1.4.17-5) ...
Selecting previously unselected package libfl-dev:i386.
Preparing to unpack .../libfl-dev_2.6.0-11_i386.deb ...
Unpacking libfl-dev:i386 (2.6.0-11) ...
Selecting previously unselected package flex.
Preparing to unpack .../flex_2.6.0-11_i386.deb ...
Unpacking flex (2.6.0-11) ...
Processing triggers for install-info (6.1.0.dfsg.1-5) ...
Processing triggers for man-db (2.7.5-1) ...
Processing triggers for libc-bin (2.23-0ubuntu11) ...
Processing triggers for doc-base (0.10.7) ...
Processing 1 added doc-base file...
Setting up libsigsegv2:i386 (2.10-4) ...
Setting up m4 (1.4.17-5) ...
Setting up libfl-dev:i386 (2.6.0-11) ...
Setting up flex (2.6.0-11) ...
Processing triggers for libc-bin (2.23-0ubuntu11) ...
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ lex lex.l
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ gcc lex.yy.c
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ ./a.out
Hi
Hello
```

LEX PROGRAM FILES



BISON INSTALLATION

```
onworks@onworks-Standard-PC-l440FX-PIIX-1996: ~  
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ sudo apt install bison  
[sudo] password for onworks:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  linux-headers-4.15.0-45 linux-headers-4.15.0-45-generic  
  linux-image-4.15.0-45-generic linux-modules-4.15.0-45-generic  
  linux-modules-extra-4.15.0-45-generic  
Use 'sudo apt autoremove' to remove them.  
The following additional packages will be installed:  
  libbison-dev  
Suggested packages:  
  bison-doc  
The following NEW packages will be installed:  
  bison libbison-dev  
0 upgraded, 2 newly installed, 0 to remove and 395 not upgraded.  
Need to get 594 kB of archives.  
After this operation, 1.815 kB of additional disk space will be used.  
Do you want to continue? [Y/n] Y  
Get:1 http://de.archive.ubuntu.com/ubuntu xenial/main i386 libbison-dev i386 2:3  
.0.4.dfsg-1 [338 kB]  
Get:2 http://de.archive.ubuntu.com/ubuntu xenial/main i386 bison i386 2:3.0.4.df  
sg-1 [256 kB]
```