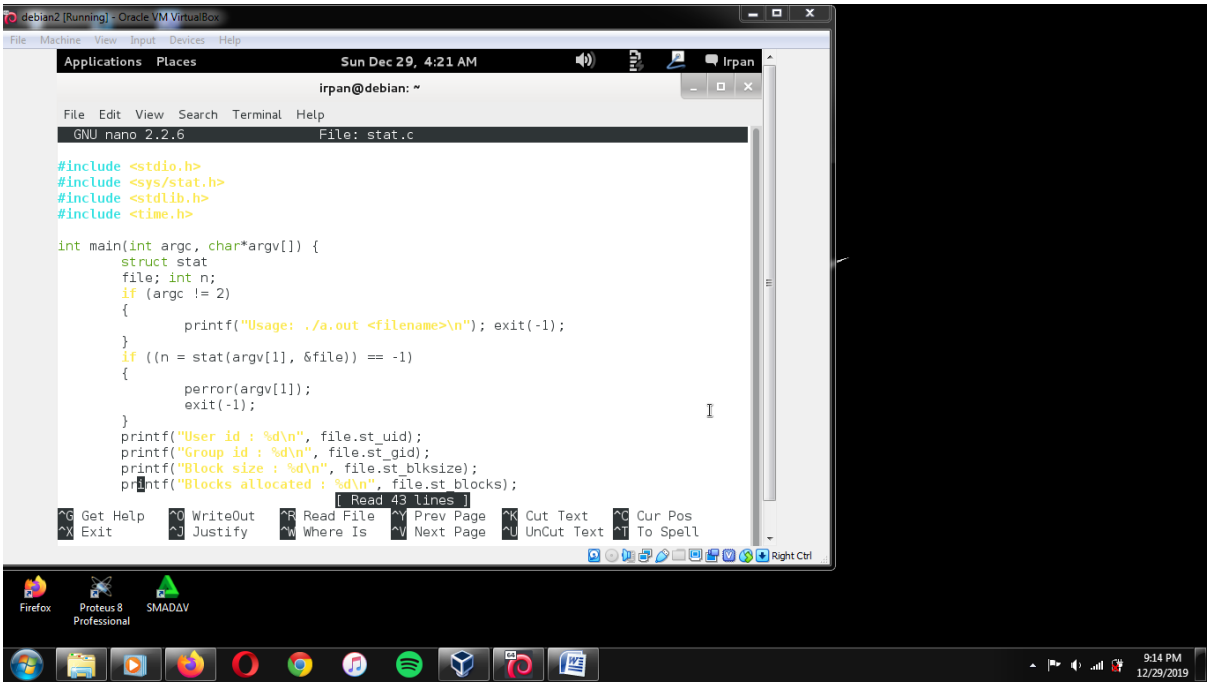
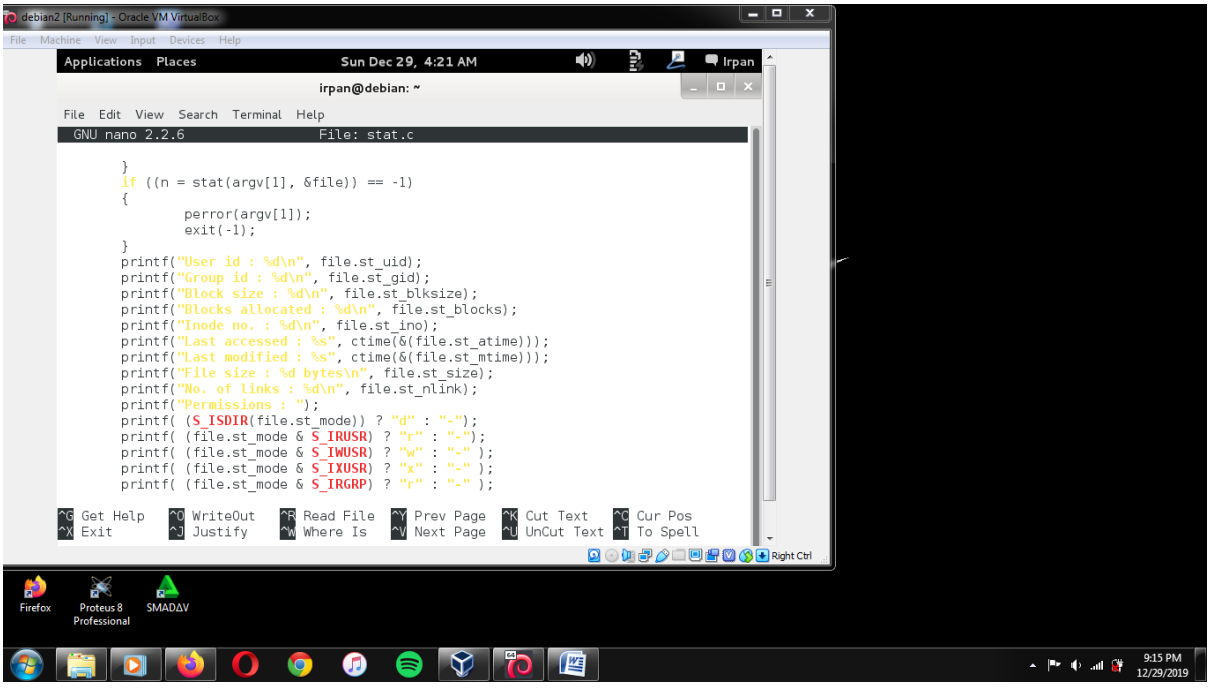
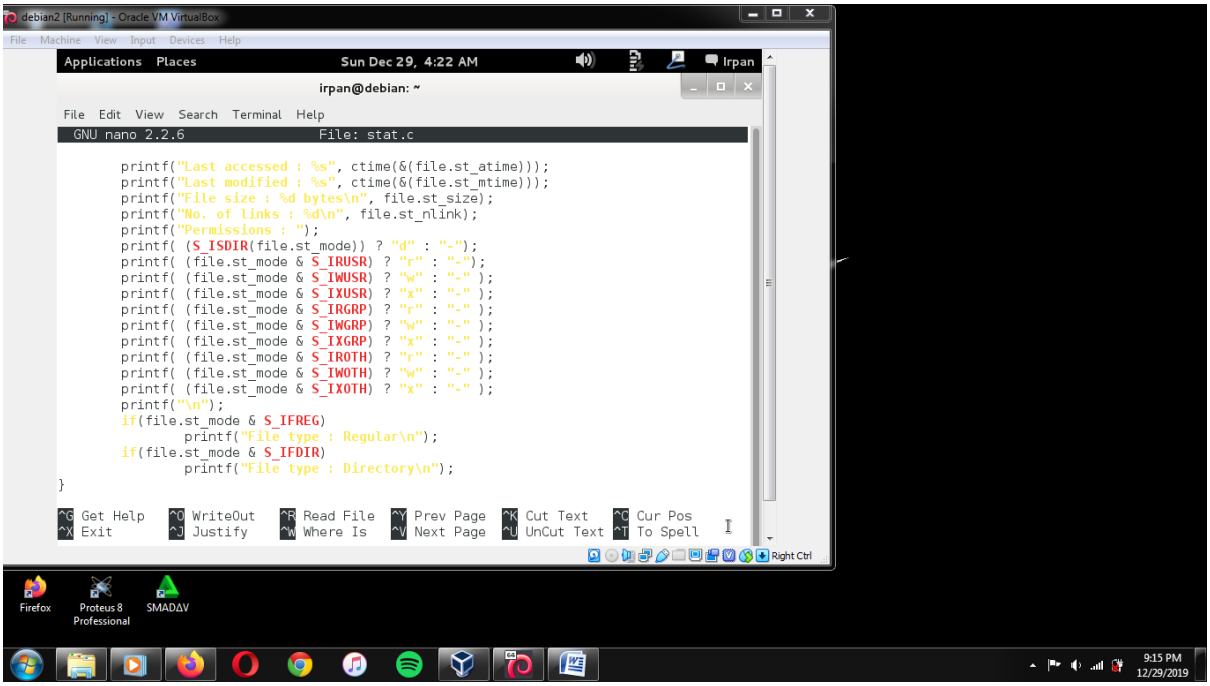
Nama : Irvan Rifa'i
NIM : L200180214
kelas : E

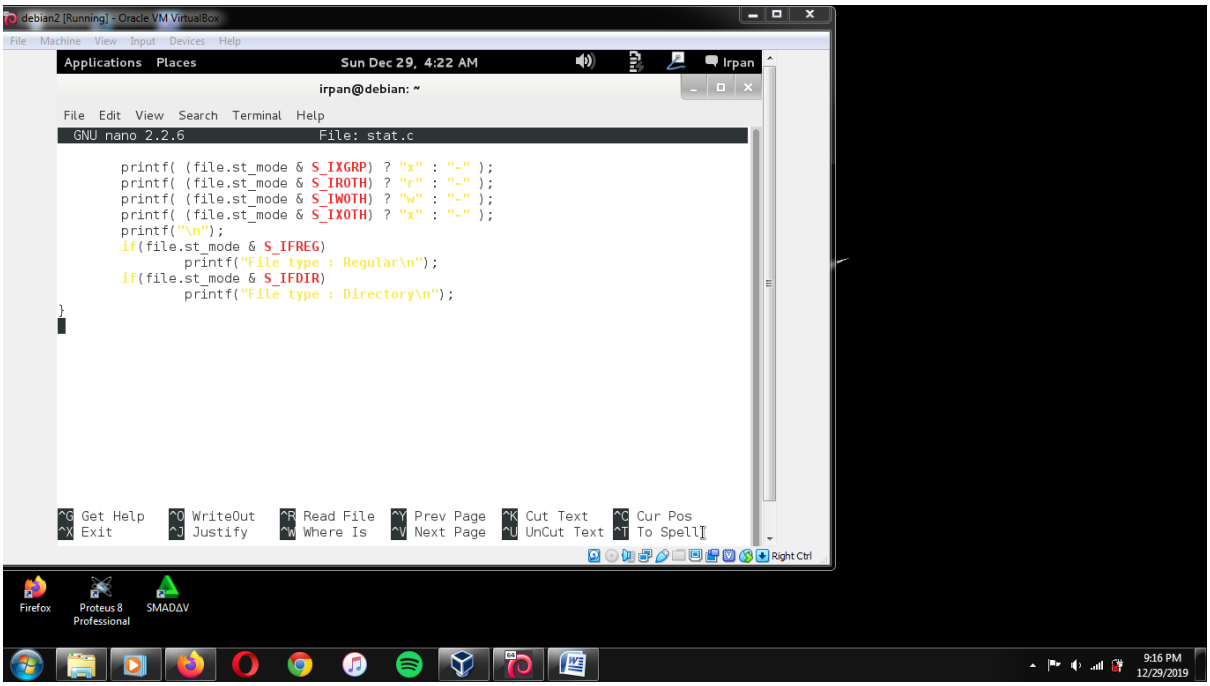
Modul 8 System Call

1. stat.c

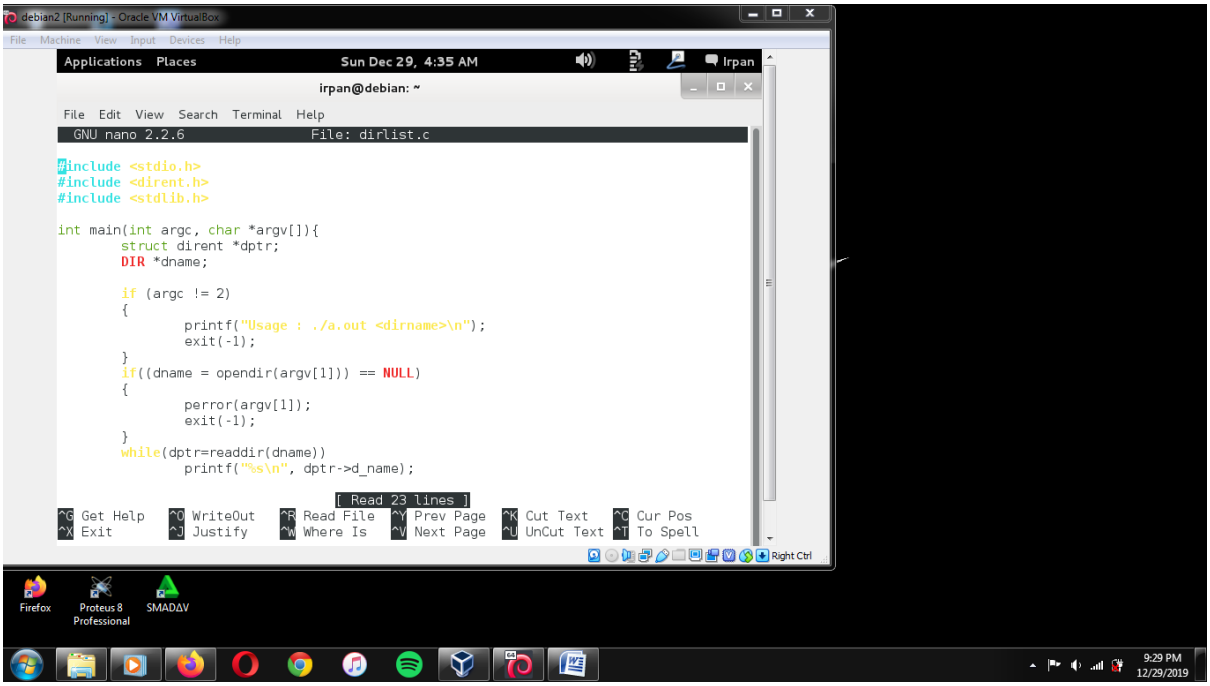


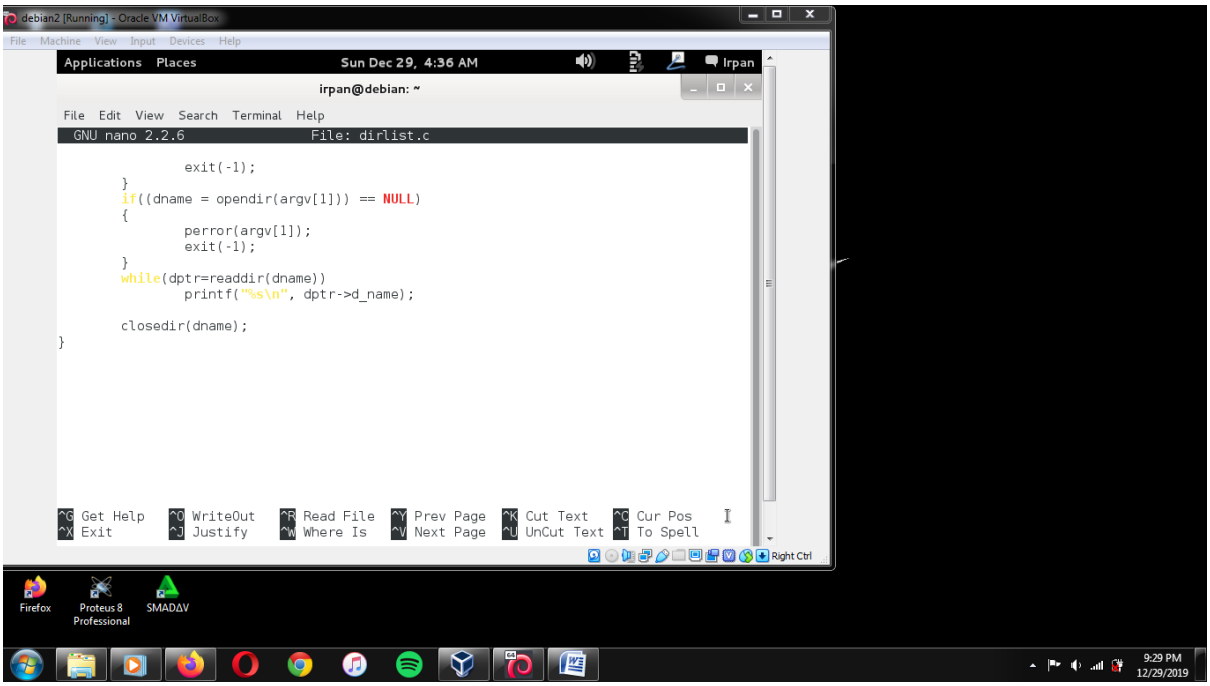



debian2 [Running] - Oracle VM VirtualBox
Applications Places Sun Dec 29, 4:22 AM Irpan
irpan@debian: ~
File Edit View Search Terminal Help
GNU nano 2.2.6 File: stat.c
printf("Last accessed : %s", ctime(&(file.st_atime)));
printf("Last modified : %s", ctime(&(file.st_mtime)));
printf("File size : %d bytes\n", file.st_size);
printf("No. of links : %d\n", file.st_nlink);
printf("Permissions : ");
printf((S_ISDIR(file.st_mode)) ? "d" : "-");
printf((file.st_mode & S_IRUSR) ? "r" : "-");
printf((file.st_mode & S_IWUSR) ? "w" : "-");
printf((file.st_mode & S_IXUSR) ? "x" : "-");
printf((file.st_mode & S_IRGRP) ? "r" : "-");
printf((file.st_mode & S_IWGRP) ? "w" : "-");
printf((file.st_mode & S_IXGRP) ? "x" : "-");
printf((file.st_mode & S_IROTH) ? "r" : "-");
printf((file.st_mode & S_IWOTH) ? "w" : "-");
printf((file.st_mode & S_IXOTH) ? "x" : "-");
printf("\n");
if(file.st_mode & S_IFREG)
printf("File type : Regular\n");
if(file.st_mode & S_IFDIR)
printf("File type : Directory\n");
}
^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell
Right Ctrl
Firefox
Proteus 8 Professional
SMADAV
9:15 PM
12/29/2019


debian2 [Running] - Oracle VM VirtualBox
Applications Places Sun Dec 29, 4:22 AM Irpan
irpan@debian: ~
File Edit View Search Terminal Help
GNU nano 2.2.6 File: stat.c
printf((file.st_mode & S_IXGRP) ? "x" : "-");
printf((file.st_mode & S_IROTH) ? "r" : "-");
printf((file.st_mode & S_IWOTH) ? "w" : "-");
printf((file.st_mode & S_IXOTH) ? "x" : "-");
printf("\n");
if(file.st_mode & S_IFREG)
printf("File type : Regular\n");
if(file.st_mode & S_IFDIR)
printf("File type : Directory\n");
}
^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell
Right Ctrl
Firefox
Proteus 8 Professional
SMADAV
9:16 PM
12/29/2019

2. dirlist.c


debian2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places Sun Dec 29, 4:35 AM Irpan
irpan@debian: ~
File Edit View Search Terminal Help
GNU nano 2.2.6 File: dirlist.c
#include <stdio.h>
#include <dirent.h>
#include <stdlib.h>
int main(int argc, char *argv[]){
struct dirent *dptr;
DIR *dname;
if (argc != 2)
{
printf("Usage : ./a.out <dirname>\n");
exit(-1);
}
if((dname = opendir(argv[1])) == NULL)
{
perror(argv[1]);
exit(-1);
}
while(dptr=readdir(dname))
printf("%s\n", dptr->d_name);
[Read 23 lines]
^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell
Right Ctrl
Firefox
Proteus 8 Professional
SMADAV
9:29 PM
12/29/2019


debian2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places Sun Dec 29, 4:36 AM Irpan
irpan@debian: ~
File Edit View Search Terminal Help
GNU nano 2.2.6 File: dirlist.c
exit(-1);
}
if((dname = opendir(argv[1])) == NULL)
{
perror(argv[1]);
exit(-1);
}
while(dptr=readdir(dname))
printf("%s\n", dptr->d_name);
closedir(dname);
}
^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell
Right Ctrl
Firefox
Proteus 8 Professional
SMADAV
9:29 PM
12/29/2019