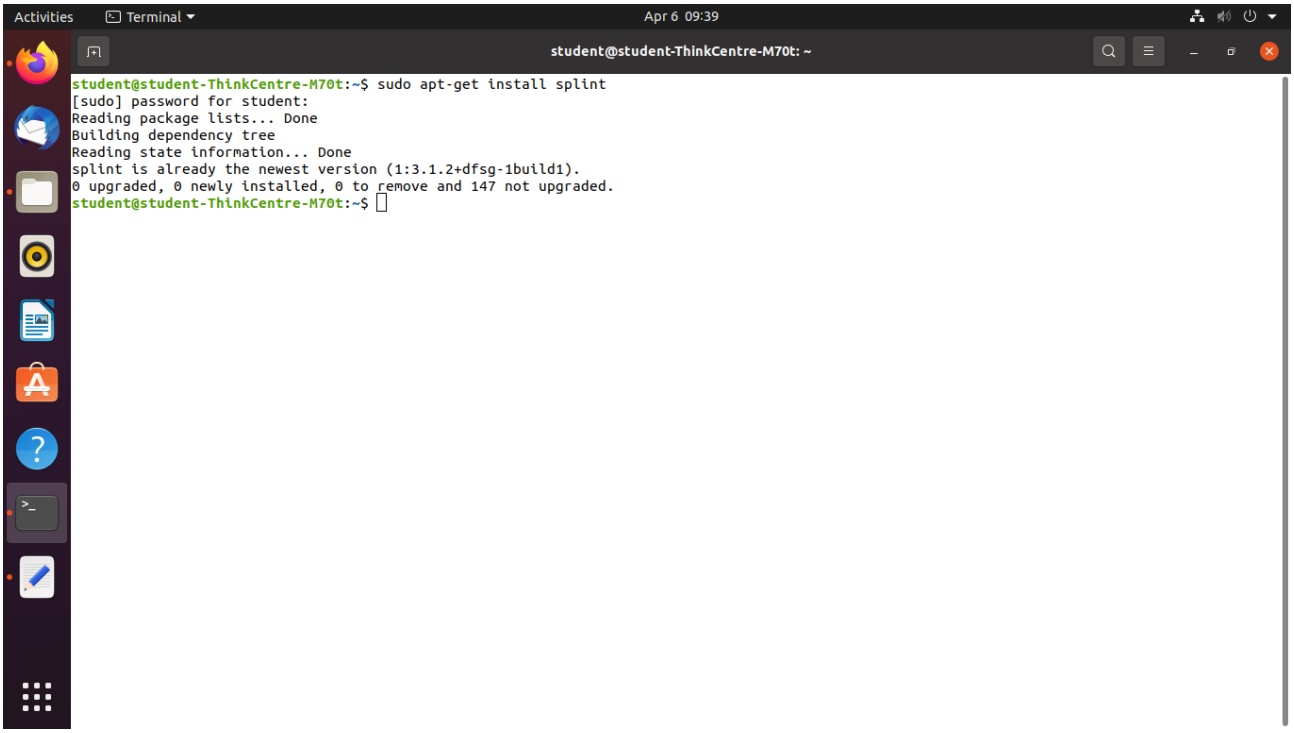
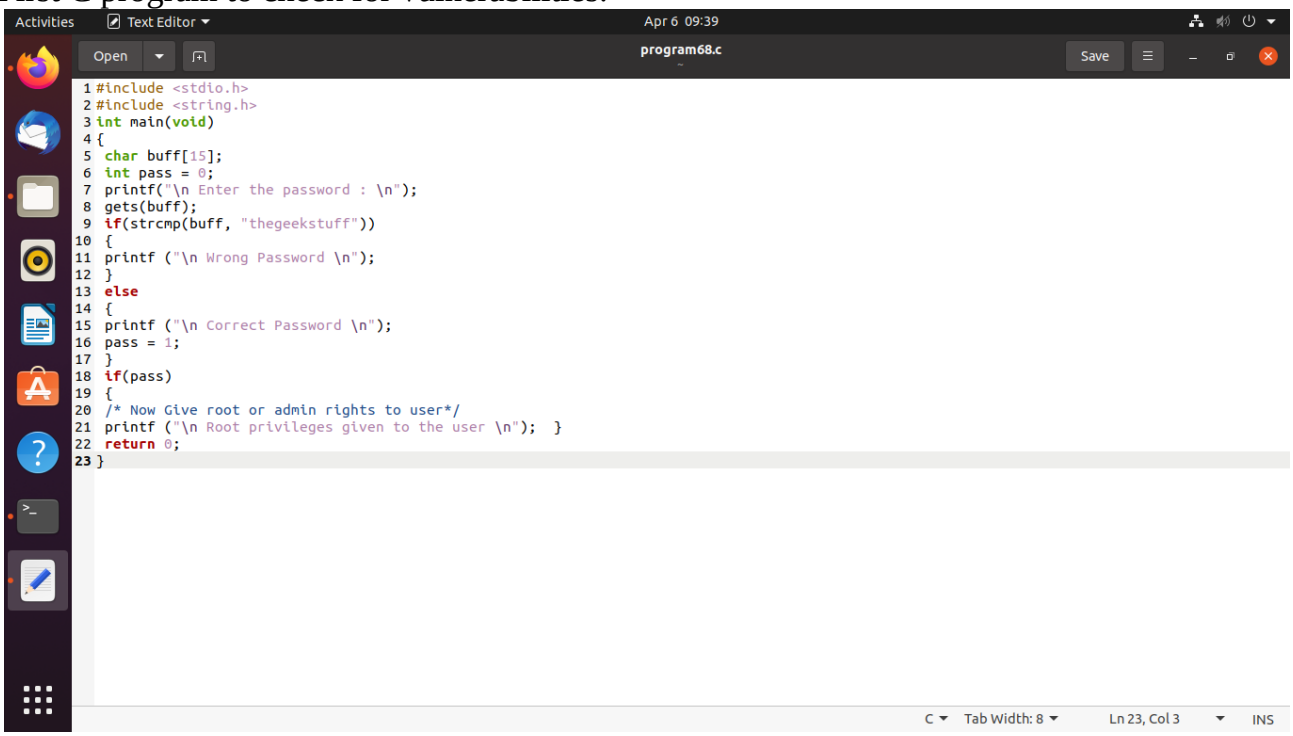
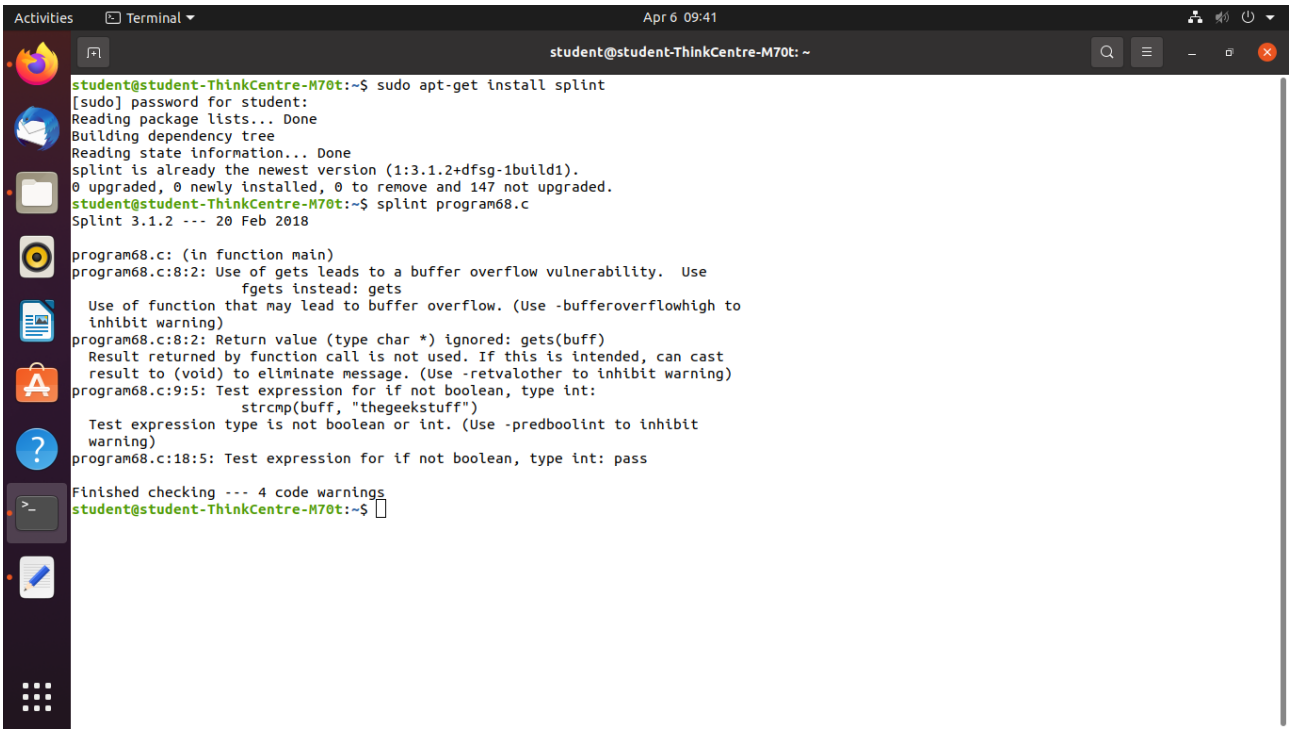
CSS Splint tool
Install splint tool:



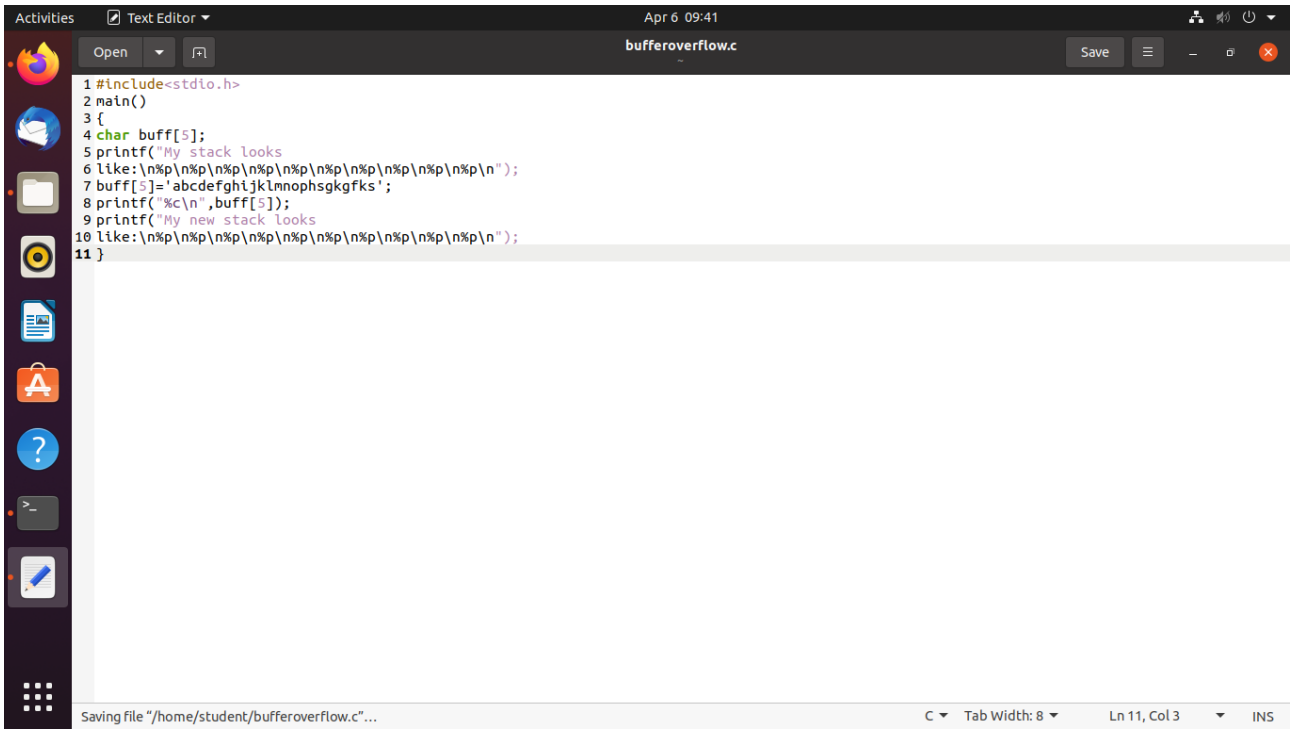
First C program to check for vulnerabilities:



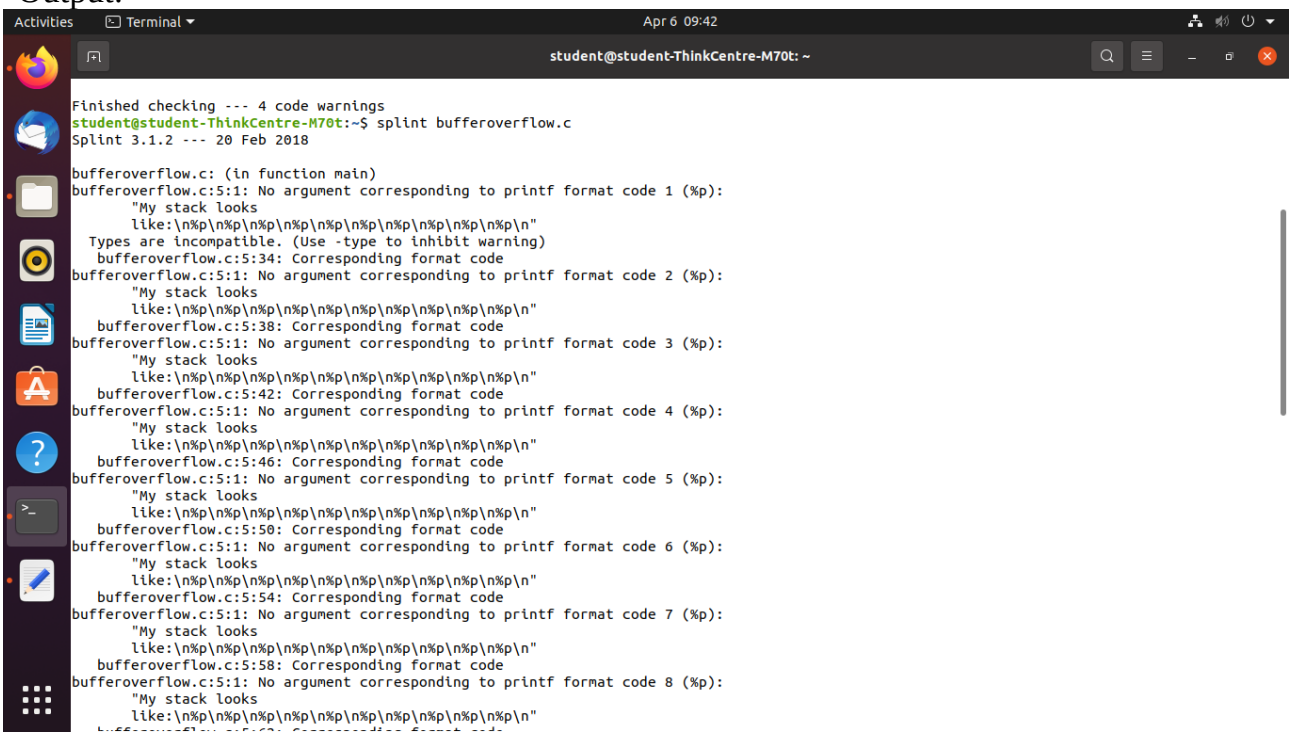
Output:

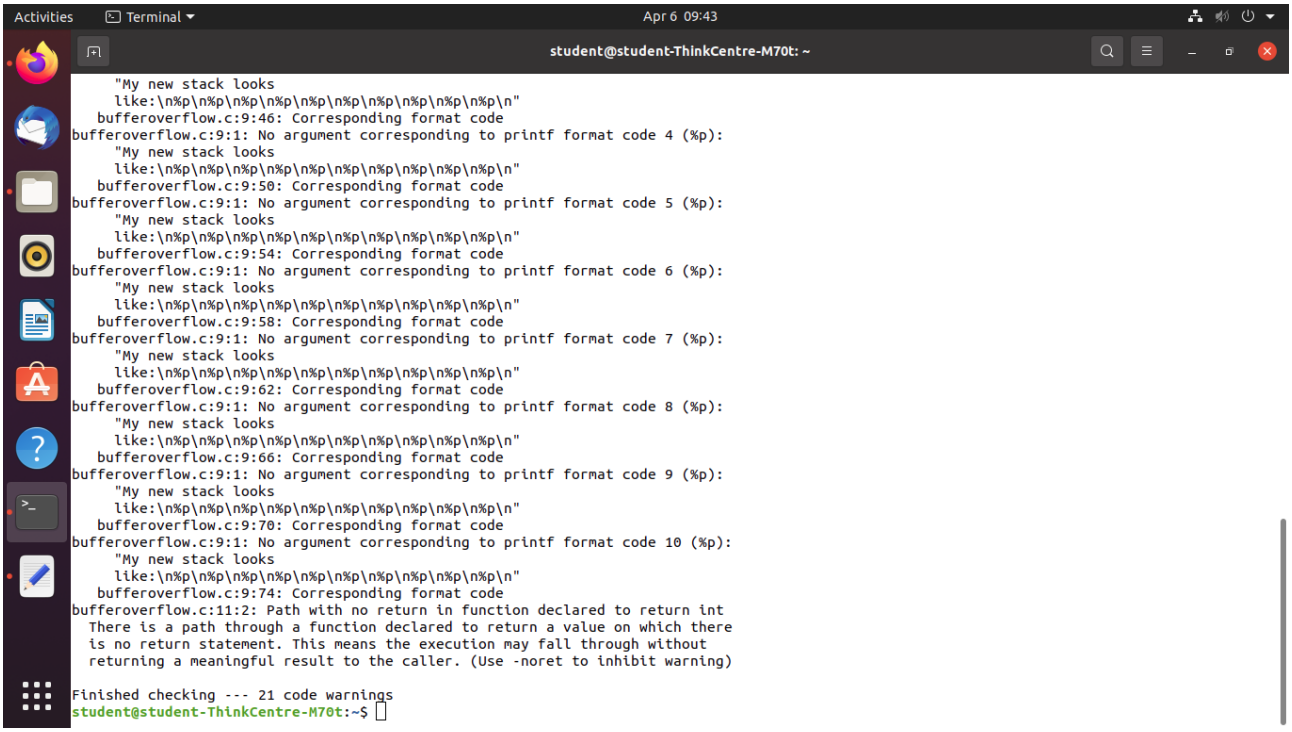


Bufferoverflow c code:



Output:


Activities
Terminal
Apr 6 09:42
student@student-ThinkCentre-M70t: ~
Finished checking --- 4 code warnings
student@student-ThinkCentre-M70t:~$ splint bufferoverflow.c
Splint 3.1.2 --- 20 Feb 2018
bufferoverflow.c: (in function main)
bufferoverflow.c:5:1: No argument corresponding to printf format code 1 (%p):
"My stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
Types are incompatible. (Use -type to inhibit warning)
bufferoverflow.c:5:34: Corresponding format code
bufferoverflow.c:5:1: No argument corresponding to printf format code 2 (%p):
"My stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:5:38: Corresponding format code
bufferoverflow.c:5:1: No argument corresponding to printf format code 3 (%p):
"My stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:5:42: Corresponding format code
bufferoverflow.c:5:1: No argument corresponding to printf format code 4 (%p):
"My stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:5:46: Corresponding format code
bufferoverflow.c:5:1: No argument corresponding to printf format code 5 (%p):
"My stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:5:50: Corresponding format code
bufferoverflow.c:5:1: No argument corresponding to printf format code 6 (%p):
"My stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:5:54: Corresponding format code
bufferoverflow.c:5:1: No argument corresponding to printf format code 7 (%p):
"My stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:5:58: Corresponding format code
bufferoverflow.c:5:1: No argument corresponding to printf format code 8 (%p):
"My stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"


Activities
Terminal
Apr 6 09:43
student@student-ThinkCentre-M70t: ~
"My new stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:9:46: Corresponding format code
bufferoverflow.c:9:1: No argument corresponding to printf format code 4 (%p):
"My new stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:9:50: Corresponding format code
bufferoverflow.c:9:1: No argument corresponding to printf format code 5 (%p):
"My new stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:9:54: Corresponding format code
bufferoverflow.c:9:1: No argument corresponding to printf format code 6 (%p):
"My new stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:9:58: Corresponding format code
bufferoverflow.c:9:1: No argument corresponding to printf format code 7 (%p):
"My new stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:9:62: Corresponding format code
bufferoverflow.c:9:1: No argument corresponding to printf format code 8 (%p):
"My new stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:9:66: Corresponding format code
bufferoverflow.c:9:1: No argument corresponding to printf format code 9 (%p):
"My new stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:9:70: Corresponding format code
bufferoverflow.c:9:1: No argument corresponding to printf format code 10 (%p):
"My new stack looks
like:\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n%p\n"
bufferoverflow.c:9:74: Corresponding format code
bufferoverflow.c:11:2: Path with no return in function declared to return int
There is a path through a function declared to return a value on which there
is no return statement. This means the execution may fall through without
returning a meaningful result to the caller. (Use -noret to inhibit warning)
Finished checking --- 21 code warnings
student@student-ThinkCentre-M70t:~$