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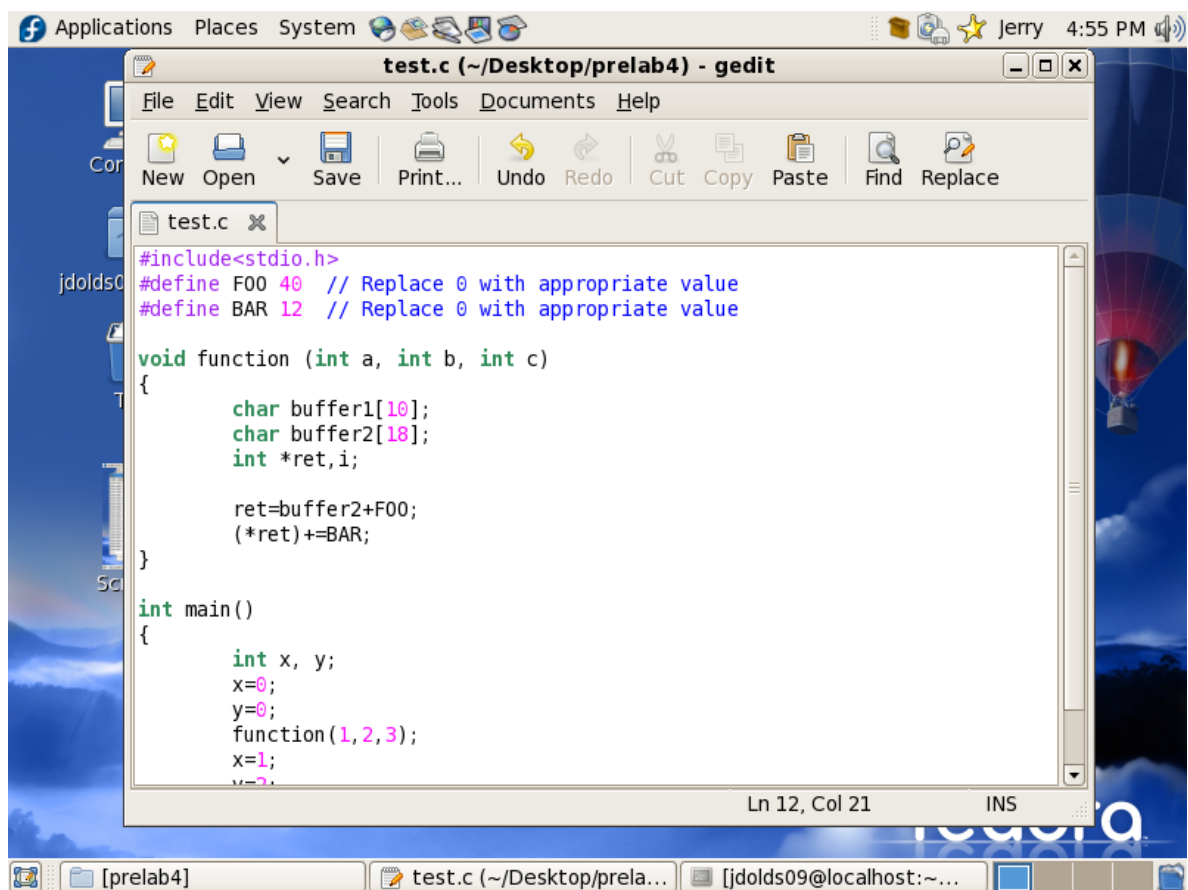
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CSE-4380

4/8/2020

Pre-Lab 4

- 1) b
- 2) a, c
- 3) c
- 4) d
- 5) d
- 6) strcpy(), gets()
- 7) 0x90
- 8) -----AlmostEveryInformationSecurityLabIsMindBlowinglyAwesome
- 9)



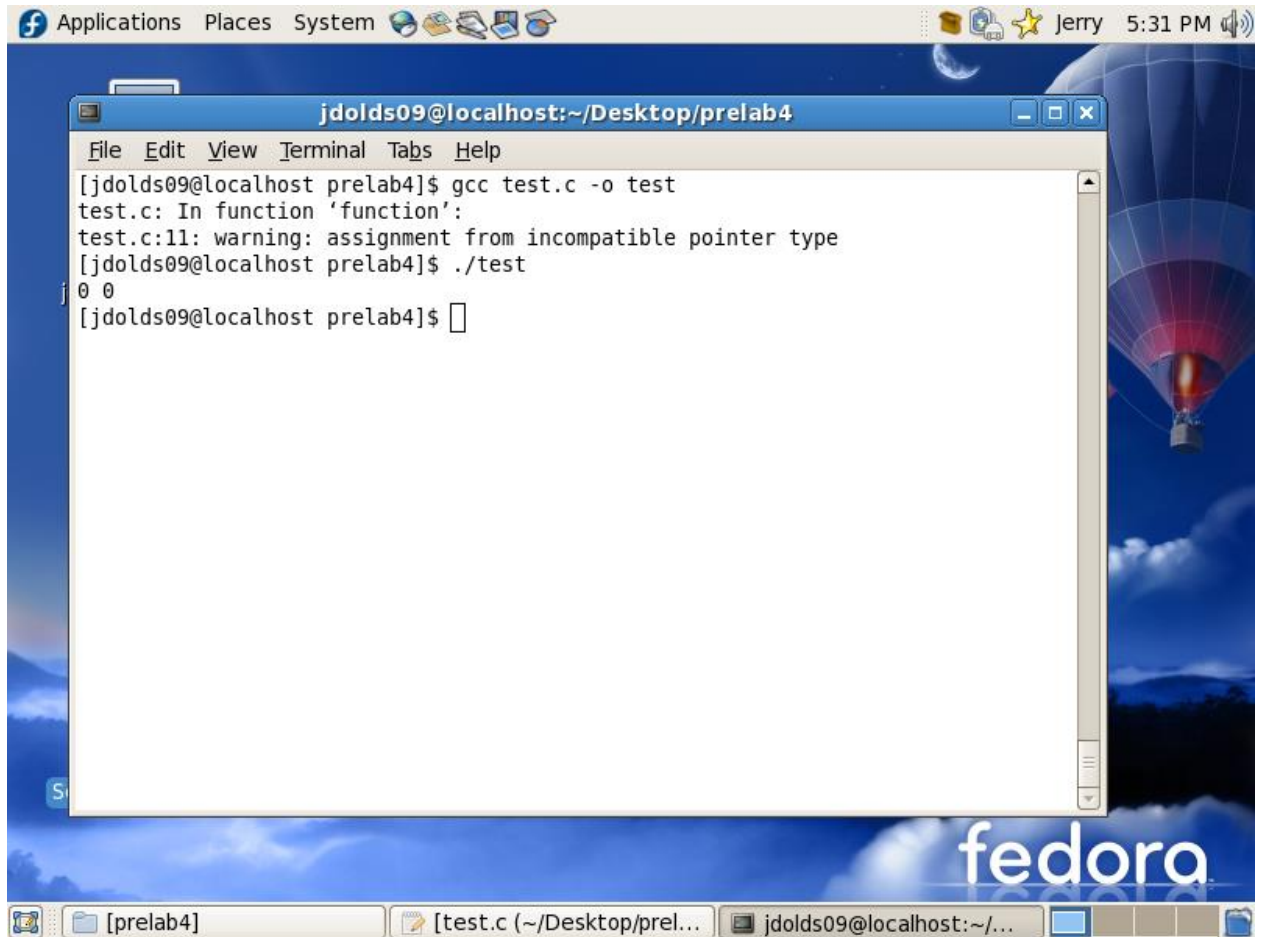
```
#include<stdio.h>
#define F00 40 // Replace 0 with appropriate value
#define BAR 12 // Replace 0 with appropriate value

void function (int a, int b, int c)
{
    char buffer1[10];
    char buffer2[18];
    int *ret,i;

    ret=buffer2+F00;
    (*ret)+=BAR;
}

int main()
{
    int x, y;
    x=0;
    y=0;
    function(1,2,3);
    x=1;
    y=2;
```

Ln 12, Col 21 INS



10) c

11) d

12)

- a. Heap overflow vulnerability in reSIProcate through 1.10.2 Aug 08 2018
- b. reSIProcate
- c. DoS, exploit that may lead to remote execution of code

13) 4

0x30

0x7d

the first value is the size variable address, it is 4 bytes

the second value is the 4th (low) byte of the variable address

the third value is the 3rd byte of the variable address

14) c

15) 12013
12000-12004 function(1,2)
12005-12008 int a
12009-12012 int b
12013 buffer

16) b, c

17) c