Lab 4 – Comprehensive Stack Trace
Gunnar Yonker

0xbffff32c	
0xbffff330	
334	
338	
0xbffff33c	
340	
344	
348	
0xbffff34c	
350	
354	
358	
0xbffff35c	
360	
364	
368	
0xbffff36c	
370	
374	(temp = x) x = 13
378	0xbffff398
0xbffff37c	return address 0x4011cb
380	(x = y) x = 17
384	(y = temp) y = 13
388	
0xbffff38c	0
390	num2 = 17
394	num1 = 13
0xbffff398	0

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ebp = 0

0xbffff39c esp -->

eax = 13
after this line 0x40118f <swap_args+22> mov eax,DWORD PTR [ebp+0xc]
eax = 17
after this line 0x401195 <swap_args+28> mov eax,DWORD PTR [ebp-0x4]
eax = 13
after this line 0x40119b <swap_args+34> mov eax,0x0
eax = 0

ebp = 0

Given program compiled as Lab4

```
#include <stdio.h>

int swap_args(int x, int y)
{
  int temp;

  temp = x;
  x = y;
  y = temp;

  return 0;
}


int main()
{
  int num1, num2, status;

  num1 = 13; num2 = 17;

  status = swap_args(num1, num2);

  return status;
}
```