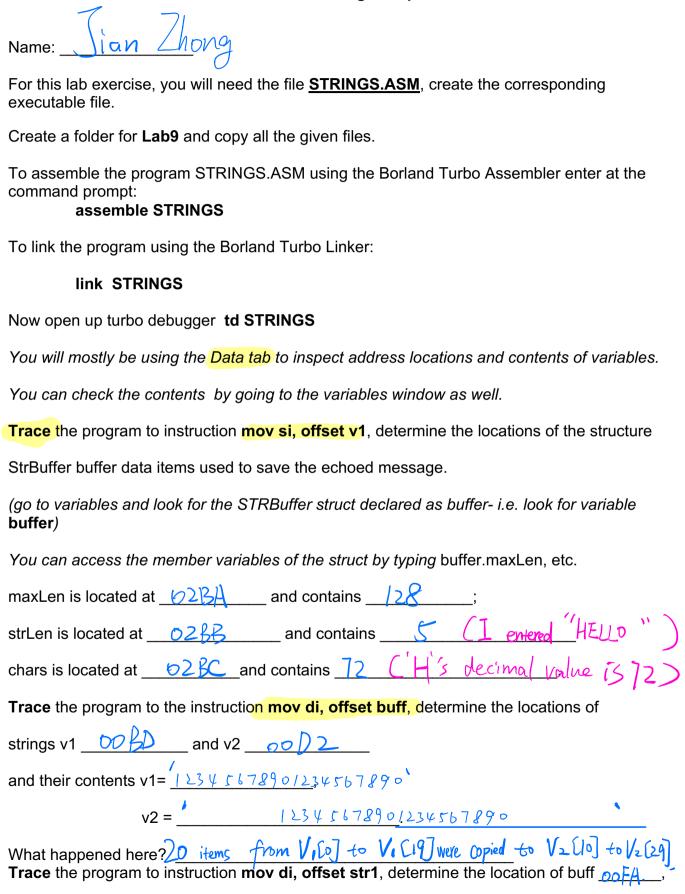
## **CS 221 -- Lab 9 String Manipulations**



$1 \cdot C \cdot A \cdot 7 \cdot A \cdot A$
what happened to the string stored at buff? buff 20] 13 null character now (null string)
Trace the program to instruction mov di, offset lc,
determine the location of str1 014B
what is its length and what register is the value found in?
Trace the program to instruction mov di, offset str3,
determine the location of the lc string
and what is its current content? ABCDEFGHITKLMNoPQRSTUWSZ
Trace the program to instruction mov si, offset source, determine the location of the
str3 string 0192
and give the before and after values of the string str3.
before Lions and tigers and bears, oh my!
after Lions and bears, oh my!
What happened here? / dravs were deleted starting from \$253 [6] position.
Trace the program to instruction mov si, offset source1, determine the locations of strings
source 01FF and dest 01B5
and give before and after values of the dest string.
before: Insert into slot-B
before: Insert into slot-B  after: Insert tab-A into slot-B
What happened here? String source was inserted into String dest at dest [7]
Trace the program to instruction mov si, offset str4, determine the locations of strings
source1 <u>n2 b 6</u> and dest1 <u>02 o F</u>
and give the before and after values of the changed string dest1
before: This is

after: his is the end
after: This is the end!  What happened here string Source was added to the end of string dest!
Trace the program to instruction mov si, offset ext, determine the locations of strings
$str4 \underline{0227}$ and $str5 \underline{b237}$
and give the before and after values of the changed string str5
before: //ull characters
before: //ull characters  after: //riginal string  What happened here? // values of string str 4 were copied into String St
What happened here? values of string str 4 were copied into String St
Trace the program to instruction mov si, offset areaCode, determine the locations of strings
ext $6287$ and filename $028$
and what position is ext in the string filename? 6 ]
Trace the program until after the instruction call StrRemove is executed,
determine the locations of the strings areaCode
and phoneNumber 02A4.
Give the <u>before and after</u> values of the modified string.
before: (860) - 555-1212
after:
What happened here? String Wealode was removed from String phone Number.