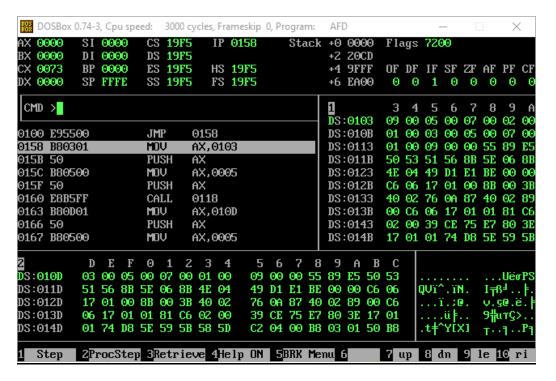
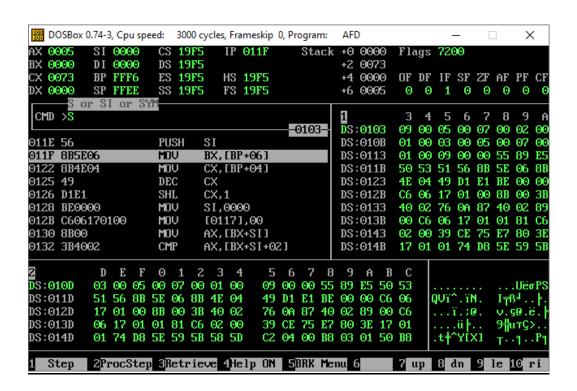
Example 5.5: -

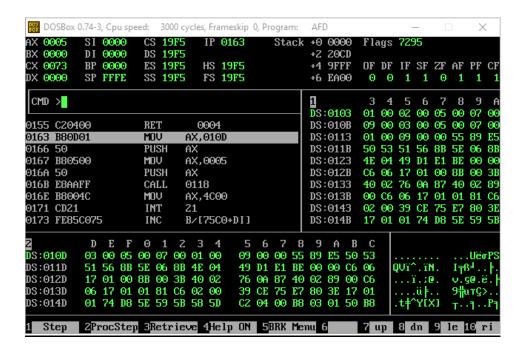
Before Calling The Function



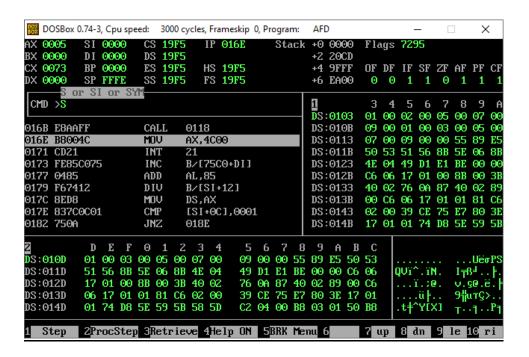
After The Subroutine Is Called And All The Registers Used In The Sub Routine Are Pushed



After Popping The Registers Used In The Subroutine And Returning Back From Where It Was Called After Sorting The Data

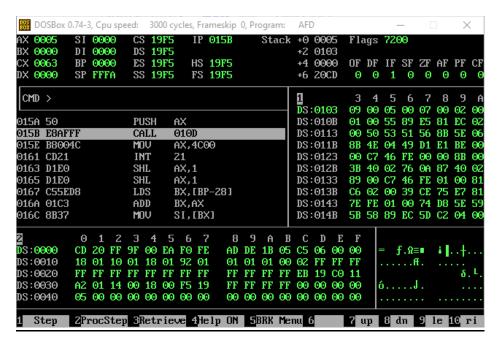


And Same The Second Data Is Proceeded By The Same Sub Routine And Doing The Same Work Again

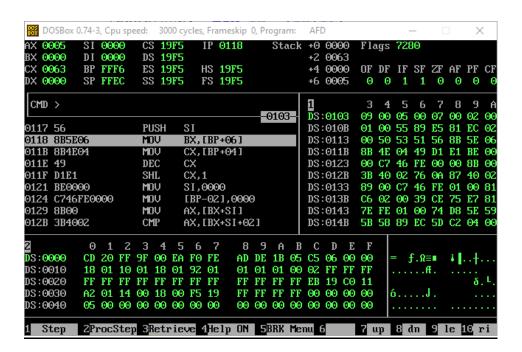


Example 5.6: -

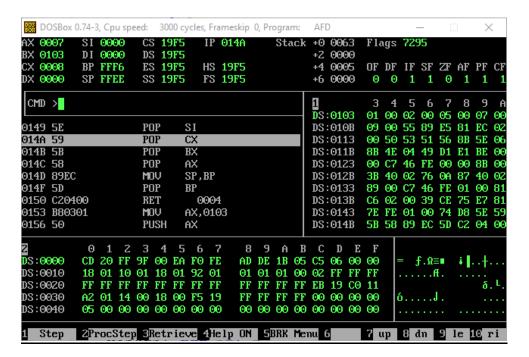
Before Calling The Subroutine, The Stack Is Used To Push The Data Address And Number Of Data



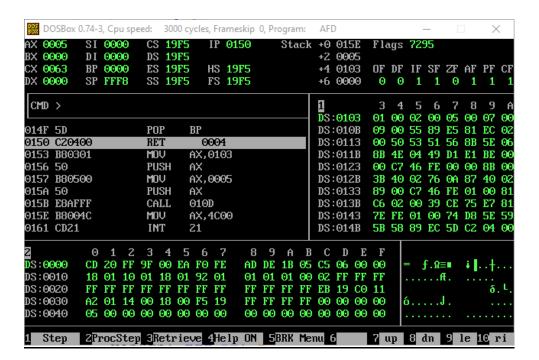
After The Subroutine Is Called A Space In The Stack Is Made For The Local Variable In This Case It Is The Swap Flag



After The Data Is Sorted



The Registers Values Stored Before In The Stack Are Popped To Return
Their Before Values And The Local Variable Is Also Destructed Here As
We Previously Assigned A Place For It In The Stack And Now We Are
Removing It



After Returning From The Subroutine

