CSE Computer Organization

HOMEWORK 1 REPORT

-Manually entered for array

-User must add to -1 to end of array for see last element.

-Program is take a big set with manual and have a big set and 5 little set

-Program calculate the all sets size(with member -1)

-Program:

1. Read all set add save size
2. Check the big set load the new set (new set for check member)
3. load the new set (new set for check member)
4. new set compare the small set for find need member for being big set
5. go to second step if not equal the finish
6. Generally work for all condition but need somethink rules

RULES:

-All array must be finish with -1

-Not need the input size program is find

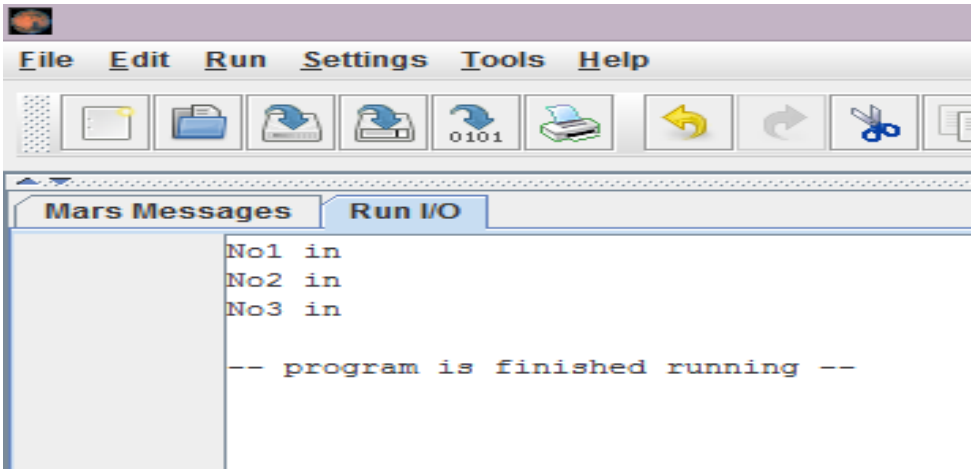
-Not take anythink in terminal

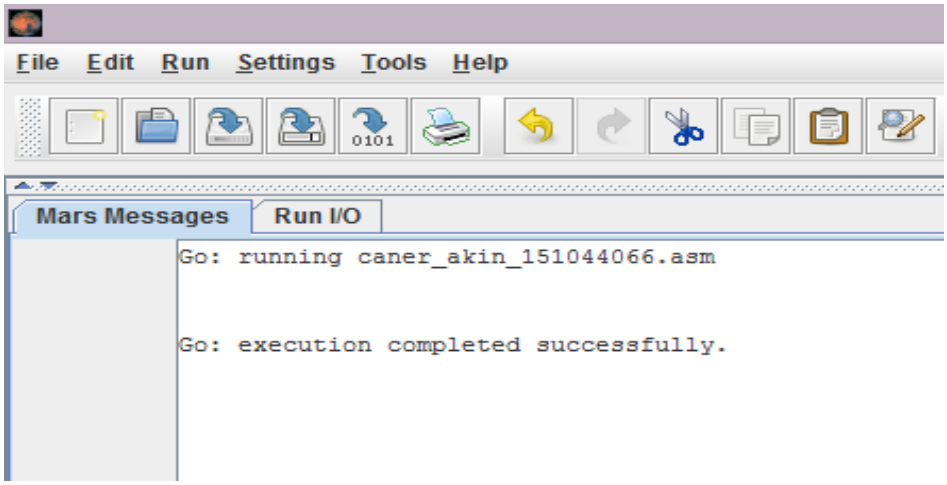
All output have a take which set.

FIRST OUTPUT:

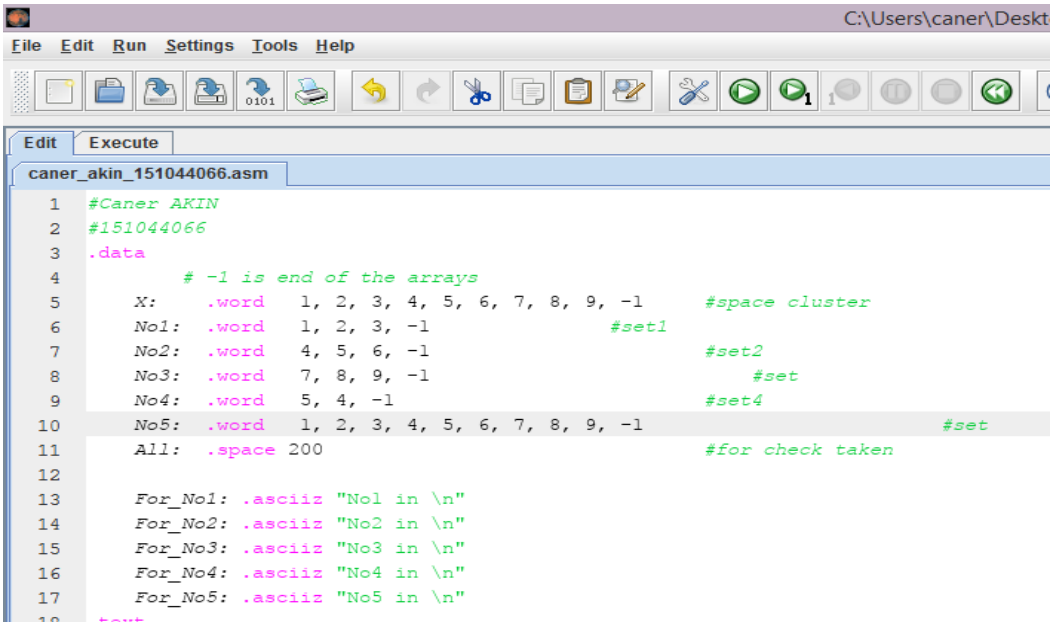
caner_akin_151044066.asm

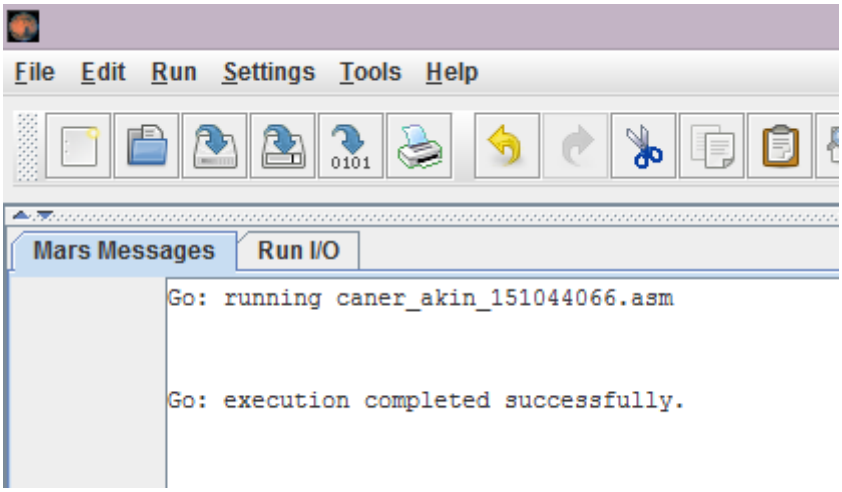
```
#Caner AKIN
#151044066
.data
        # -1 is end of the arrays
    X:    .word   1, 2, 3, 4, 5, 6, 7, 8, 9, -1     #space cluster
    No1:  .word   1, 2, 3, -1                #set1
    No2:  .word   4, 5, 6, -1                       #set2
    No3:  .word   7, 8, 9, -1                           #set
    No4:  .word   5, 4, -1                          #set4
    No5:  .word   9, 8, -1                          #set
    All:  .space 200                                #for check taken

    For_No1: .asciiz "No1 in \n"
    For_No2: .asciiz "No2 in \n"
    For_No3: .asciiz "No3 in \n"
    For_No4: .asciiz "No4 in \n"
    For_No5: .asciiz "No5 in \n"
.text
    main:
        li $t0,0    #X size
        li $t1,0    #No1 size
        li $t2,0    #No2 size
        li $t3,0    #No3 size
        li $t4,0    #No4 size
        li $t5,0    #No5 size
```

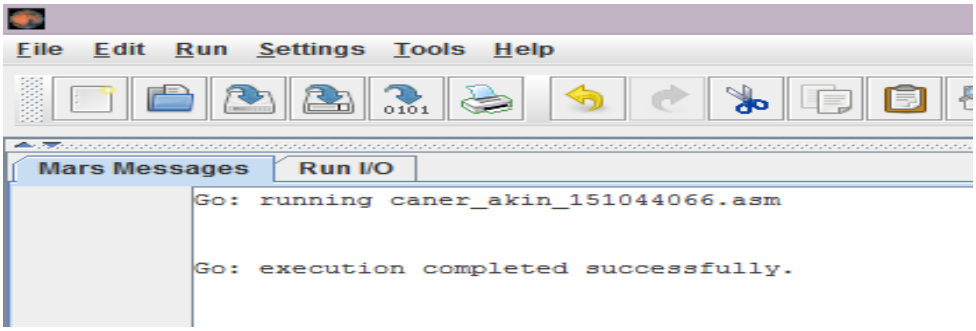

File Edit Run Settings Tools Help
Mars Messages
Run I/O
No1 in
No2 in
No3 in
-- program is finished running --


File Edit Run Settings Tools Help
Mars Messages
Run I/O
Go: running caner_akin_151044066.asm
Go: execution completed successfully.

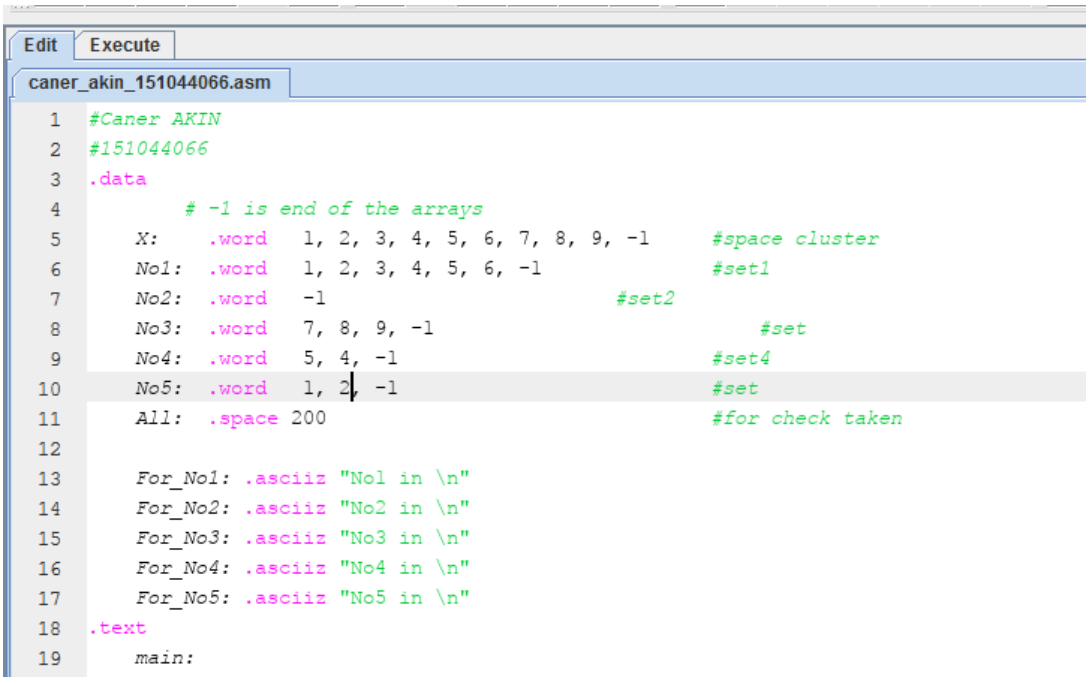
OUTPUT2:

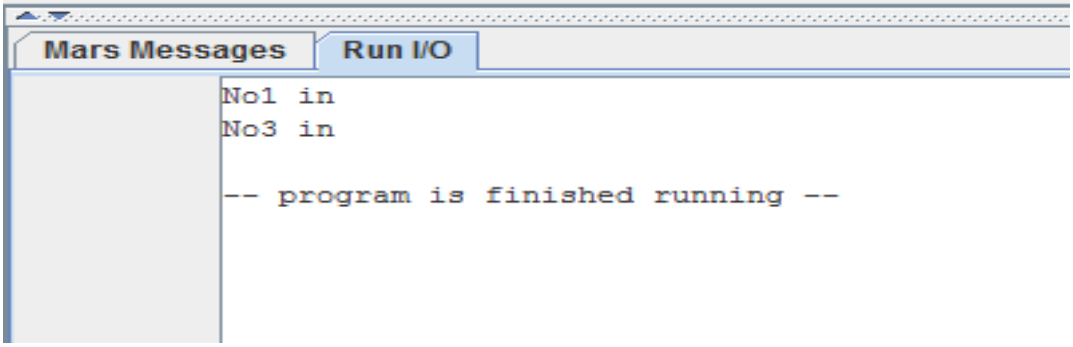

C:\Users\caner\Deskt
File Edit Run Settings Tools Help
Edit Execute
caner_akin_151044066.asm
#Caner AKIN
#151044066
.data
-1 is end of the arrays
X: .word 1, 2, 3, 4, 5, 6, 7, 8, 9, -1 #space cluster
No1: .word 1, 2, 3, -1 #set1
No2: .word 4, 5, 6, -1 #set2
No3: .word 7, 8, 9, -1 #set
No4: .word 5, 4, -1 #set4
No5: .word 1, 2, 3, 4, 5, 6, 7, 8, 9, -1 #set
All: .space 200 #for check taken
For_No1: .asciiz "No1 in \n"
For_No2: .asciiz "No2 in \n"
For_No3: .asciiz "No3 in \n"
For_No4: .asciiz "No4 in \n"
For_No5: .asciiz "No5 in \n"

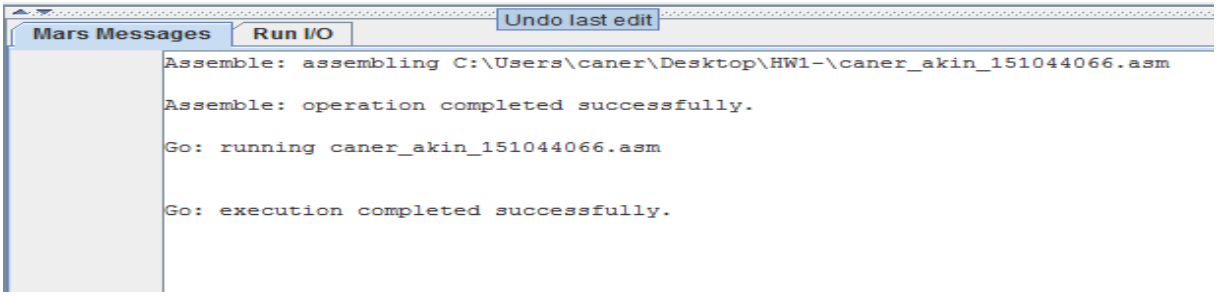

File Edit Run Settings Tools Help
Mars Messages
Run I/O
Go: running caner_akin_151044066.asm
Go: execution completed successfully.


File Edit Run Settings Tools Help
Mars Messages
Run I/O
Go: running caner_akin_151044066.asm
Go: execution completed successfully.

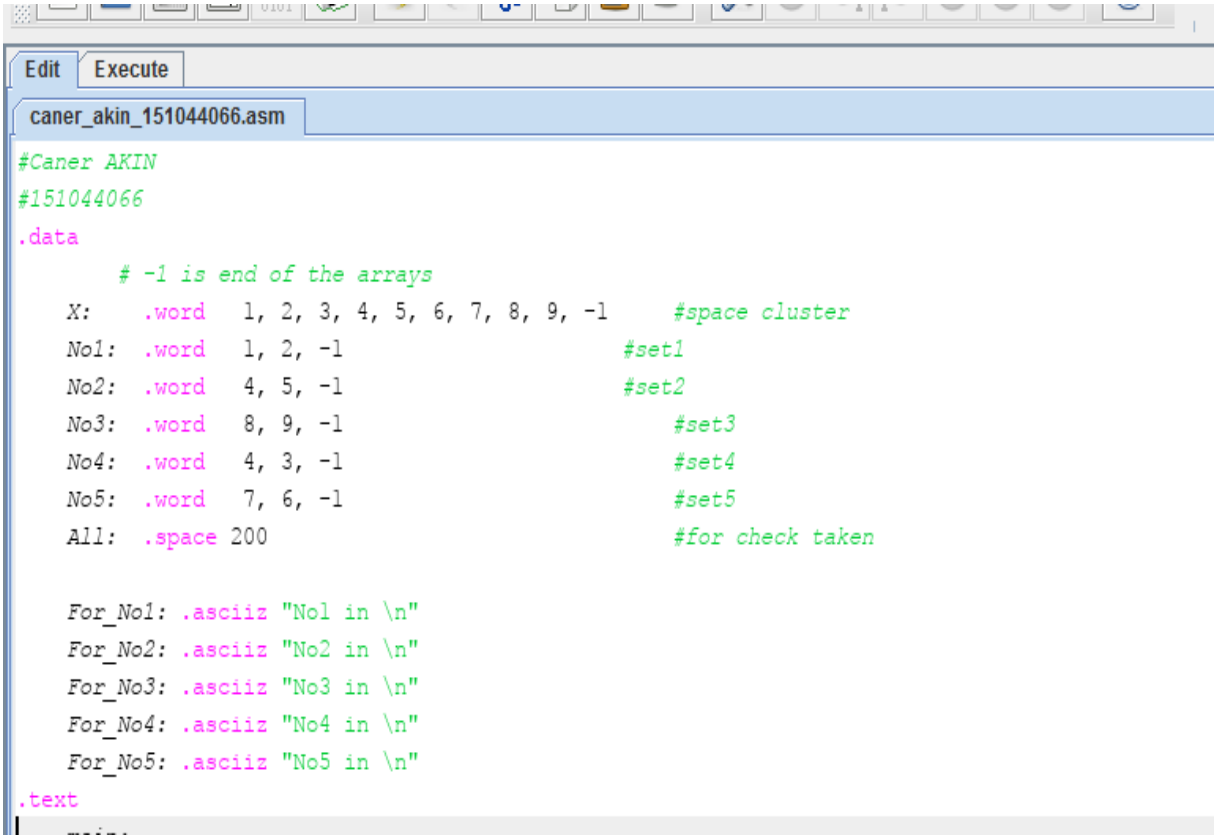
OUTPUT3:

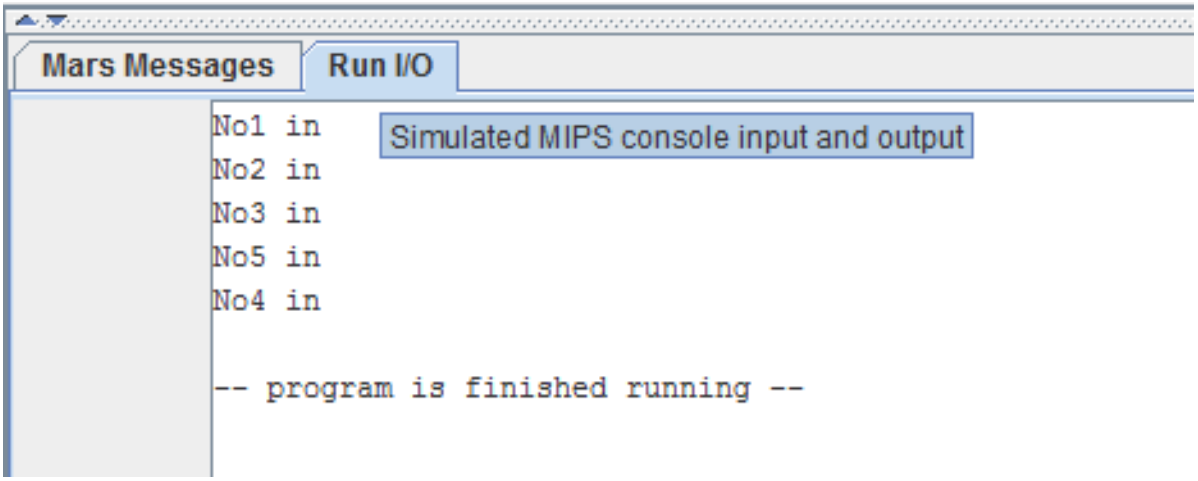

Edit
Execute
caner_akin_151044066.asm
1 #Caner AKIN
2 #151044066
3 .data
4 # -1 is end of the arrays
5 X: .word 1, 2, 3, 4, 5, 6, 7, 8, 9, -1 #space cluster
6 No1: .word 1, 2, 3, 4, 5, 6, -1 #set1
7 No2: .word -1 #set2
8 No3: .word 7, 8, 9, -1 #set
9 No4: .word 5, 4, -1 #set4
10 No5: .word 1, 2, -1 #set
11 All: .space 200 #for check taken
12
13 For_No1: .asciiz "No1 in \n"
14 For_No2: .asciiz "No2 in \n"
15 For_No3: .asciiz "No3 in \n"
16 For_No4: .asciiz "No4 in \n"
17 For_No5: .asciiz "No5 in \n"
18 .text
19 main:

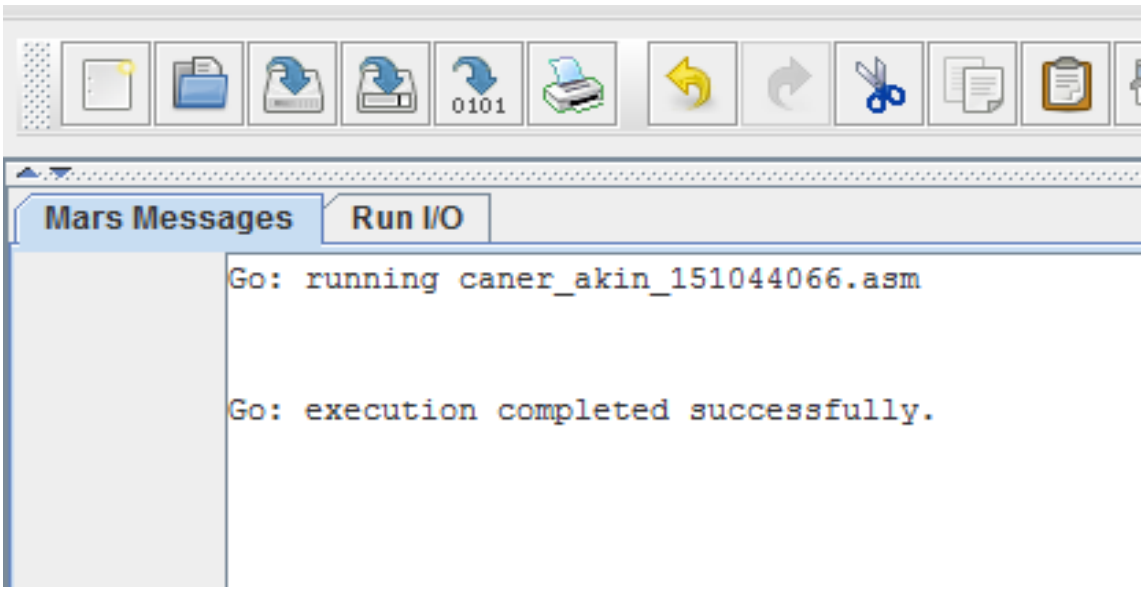

Mars Messages
Run I/O
No1 in
No3 in
-- program is finished running --


Undo last edit
Mars Messages
Run I/O
Assemble: assembling C:\Users\caner\Desktop\HW1-\caner_akin_151044066.asm
Assemble: operation completed successfully.
Go: running caner_akin_151044066.asm
Go: execution completed successfully.

OUTPUT4:


Edit
Execute
caner_akin_151044066.asm
#Caner AKIN
#151044066
.data
-1 is end of the arrays
X: .word 1, 2, 3, 4, 5, 6, 7, 8, 9, -1 #space cluster
No1: .word 1, 2, -1 #set1
No2: .word 4, 5, -1 #set2
No3: .word 8, 9, -1 #set3
No4: .word 4, 3, -1 #set4
No5: .word 7, 6, -1 #set5
All: .space 200 #for check taken
For_No1: .asciiz "No1 in \n"
For_No2: .asciiz "No2 in \n"
For_No3: .asciiz "No3 in \n"
For_No4: .asciiz "No4 in \n"
For_No5: .asciiz "No5 in \n"
.text


Mars Messages
Run I/O
No1 in
Simulated MIPS console input and output
No2 in
No3 in
No5 in
No4 in
-- program is finished running --


0101
Mars Messages
Run I/O
Go: running caner_akin_151044066.asm
Go: execution completed successfully.