

Note: Submit you HW into Beachborad Dropbox folder. Each HW has its own Dropbox folder.

Using *Ripes* simulator, implement the following C code for RISC-V assembly. Assume that the values of a, b, i, j are in registers X5, X6, X7 and X29 respectively. Also, assume that register X10 holds the base address of the array A. (Note: A is an array of Bytes which means each element of array A holds one Byte of data).

```
for ( i = 0 ; i < a ; i++)  
    for ( j = 0 ; j < b ; j++)  
        A[i] = A[i] + 5*j + i;
```

```
.data  
A: .byte 2,0,3,1  
.text  
li x5, 4  
li x6, 2  
la x10, A
```

put your code here

Submit your assembly source code (.as file) as well as a screenshot of part of memory that stores data for your code.

Note: For information regarding *Ripes* simulator, refer to the provided links in the BB (Chapter 2).

Good Luck