**COMP 3315 PreLab 4**

**Number and Name:**

1. **Object**: MIPS Branch and Loop examples using arrays
2. **Procedure**:

Write and run a MIPS algorithm that has an array at data segment and the code finds the sum of the positive numbers in this array and outputs it.

**Example**: array: .word 7, -4, 5, -5, 8, -2, 1, -3 (8 elements)

Output: 21

Upload Your C Code in blank part below and upload your mips code as .asm file.

#include <stdio.h>

int main() {

int array[8] = {7, -4, 5, -5, 8, -2, 1, -3 };

*int sum = 0;*

*for (int i = 0; i < n; i++) {*

*if (arr[i] > 0) {*

*sum += arr[i];*

*}*

*}*

*}*