COMP 3315 PreLab 3

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, 0, 8, -2, 1, -3 (8 elements)
                Output: 21
   Upload Your C Code in blank part below and upload your mips code as .asm file.

```c
#include <stdio.h>

int main()
{

   int array[8] = {7, -4, 5, 0, 8, -2, 1, -3};

   int result = 0;

   for (int i = 0; i < 8; i++) {
      if(array[i] > 0) {
          result += array[i];
      }
   }

   printf("%d",result);

   return 0;
}
```