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Project Example Code
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This code runs through an array and adds all of the integers together and keeps a running sum. The starting address of the array is saved in register \$A, the size of the array is stored in \$G, and saves the result in \$C.

```
add $0 $0 $C          // $C <-- 0
loop:
lw  $A $B              // $B <-- M[$A]
add $B $C $C           // $C <-- $C + $B
add 1 $A $A            // $A <-- $A + 1
bne $A $G loop         // if( $A == $G ) goto loop
```