CS 2733/2731		,	
Sample Quiz 4	Last Name		First Name and Initial
Arrays in MIPS			

Question about arrays in MIPS:

Consider the following MIPS code fragment:

```
.data
# stored in A are squares of first 7 primes, zero at end
A: .word 4, 9, 25, 49, 121, 169, 289, 0
    .text
# insert MIPS instructions here.
```

For insertion at the comment, write a *single* MIPS program that will do all of the following (not item-by-item, but all at once):

- 1. Put the starting address of A into register \$s1.
- 2. Inside a loop, access each element of A and add these values, leaving the result in register \$52. [You must use a loop for this.]
- 3. Print the resulting sum, using syscall. [Recall that syscall requires \$v0 equal to 1 to print the value in \$a0.]

Your MIPS code should do what is asked for above and *nothing more*.