Practice with Pointers

```
int sum_array_of_int_ptrs(int ** A, int length) {
   int sum = 0;
   for (int i = 0 ; i < length ; i ++) {
      sum += *(A[i]);
   }
   return sum;
}
```

More Practice with Pointers

Below is C++ code for a function that adds a specified `value` to the data held in each element of a singly-linked list. Write `increment` as a MIPS function.

```
struct node_t {
   int * data;            // pointer to an integer
   node_t * next;         // pointer to another node_t
};

void increment(node_t * head, int value) {
   for (node_t * trav = head ; trav != NULL ; trav = trav->next) {
      *(trav->data) += value;
   }
}
```

```
void recursive_increment(node_t * node, int value) {
   if (node == NULL) {
      return;
   }
   *(node->data) += value;
   recursive_increment(node->next, value);
}
```