```
int64 value = 0;
    while (!input->done()) {
     value += StringToInt(input->value());
     input->NextValue();
    // Emit sum for input->key()
   Emit(IntToString(value));
REGISTER REDUCER (Adder);
int main(int argc, char** argv) {
  ParseCommandLineFlags(argc, argv);
  MapReduceSpecification spec;
  // Store list of input files into "spec"
  for (int i = 1; i < argc; i++) {
   MapReduceInput* input = spec.add_input();
    input->set_format("text");
    input->set_filepattern(argv[i]);
    input->set_mapper_class("WordCounter");
  // Specify the output files:
        /gfs/test/freq-00000-of-00100
  //
  //
        /gfs/test/freq-00001-of-00100
  //
  MapReduceOutput* out = spec.output();
  out->set_filebase("/gfs/test/freq");
  out->set_num_tasks(100);
  out->set_format("text");
  out->set_reducer_class("Adder");
  // Optional: do partial sums within map
  // tasks to save network bandwidth
  out->set_combiner_class("Adder");
  // Tuning parameters: use at most 2000
  // machines and 100 MB of memory per task
  spec.set_machines(2000);
  spec.set_map_megabytes(100);
  spec.set_reduce_megabytes(100);
  // Now run it
  MapReduceResult result;
  if (!MapReduce(spec, &result)) abort();
  // Done: 'result' structure contains info
  // about counters, time taken, number of
```

// machines used, etc.

return 0;

if (start < i)

REGISTER_MAPPER(WordCounter);

// User's reduce function
class Adder : public Reducer {

};

Emit(text.substr(start,i-start),"1");

virtual void Reduce(ReduceInput* input) {
 // Iterate over all entries with the
 // same key and add the values

A Word Frequency

This section contains a program that counts the number of occurrences of each unique word in a set of input files specified on the command line.