GProf for Client

```
Flat profile:

Each sample counts as 0.01 seconds.
 no time accumulated

  %    cumulative   self              self     total
 time   seconds    seconds    calls  Ts/call  Ts/call  name
 0.00      0.00      0.00        1     0.00     0.00   send_file

  %            the percentage of the total running time of the
 time          program used by this function.

cumulative    a running sum of the number of seconds accounted
 seconds       for by this function and those listed above it.

 self          the number of seconds accounted for by this
seconds        function alone.  This is the major sort for this
               listing.

calls          the number of times this function was invoked, if
               this function is profiled, else blank.

 self          the average number of milliseconds spent in this
ms/call        function per call, if this function is profiled,
               else blank.

 total         the average number of milliseconds spent in this
ms/call        function and its descendents per call, if this
               function is profiled, else blank.
```

Commands used:

- gcc -pg client.c
- gprof a.out

- This table describes the call tree of the program and was sorted by the total amount of time spent in the function and its children.

```
          Call graph (explanation follows)

granularity: each sample hit covers 2 byte(s) no time propagated

index % time    self  children    called     name
                0.00    0.00       1/1           main [7]
[1]      0.0    0.00    0.00       1         send_file [1]
-----------------------------------------------------
```

GProf for Server

```
Flat profile:

Each sample counts as 0.01 seconds.
 no time accumulated

  %   cumulative   self              self     total
 time   seconds   seconds    calls  Ts/call  Ts/call  name
 0.00      0.00      0.00        1     0.00     0.00  write_file

  %           the percentage of the total running time of the
time          program used by this function.

cumulative  a running sum of the number of seconds accounted
 seconds     for by this function and those listed above it.

 self         the number of seconds accounted for by this
seconds       function alone.  This is the major sort for this
              listing.

calls         the number of times this function was invoked, if
              this function is profiled, else blank.

 self         the average number of milliseconds spent in this
ms/call       function per call, if this function is profiled,
              else blank.

 total        the average number of milliseconds spent in this
ms/call       function and its descendents per call, if this
              function is profiled, else blank.
```

Commands used:

- gcc -pg server.c
- gprof a.out

This table describes the call tree of the program and was sorted by the total amount of time spent in the function and its children.

```
            Call graph (explanation follows)

granularity: each sample hit covers 2 byte(s) no time propagated

index % time    self  children    called     name
                0.00    0.00       1/1           main [7]
[1]     0.0    0.00    0.00       1           write_file [1]
-----------------------------------------------
```