```
     ============================================
     === Compiling with gcc -Wall -o ass1 *.c -lm
     ============================================
     ============================================
 5   === Compilation finished
     === Submission testing begins
     === test 1: ass1  < pedestrians-flagstaff-p200.tsv
     === Output: is different to expectations
   - S1: total data lines = 198
10 +
   + S1: total data lines = 198 days
     S1: first data line  = 09/09/2009, 25666 people counted
     S1: last data line   = 25/03/2010, 26272 people counted

15   S2: range spanned    = 198 days
     S2: coverage ratio   = 100.0%

     S3: 09/2009 22/30 days covered, average count =   17.8k
     S3: 10/2009 31/31 days covered, average count =   17.8k
20   S3: 11/2009 30/30 days covered, average count =   16.8k
     S3: 12/2009 31/31 days covered, average count =   15.2k
     S3: 01/2010 31/31 days covered, average count =   12.6k
     S3: 02/2010 28/28 days covered, average count =   18.5k
     S3: 03/2010 25/31 days covered, average count =   19.2k
25
   - S4: group  0 data, 09/09/2009 to 13/11/2009 66 data records
   - S4: group  1 data, 14/11/2009 to 18/01/2010 66 data records
   - S4: group  2 data, 19/01/2010 to 25/03/2010 66 data records
   + S4: group 0 data, 09/09/2009 to 13/11/2009, 66 data records
30 + S4: group 1 data, 14/11/2009 to 18/01/2010, 66 data records
   + S4: group 2 data, 19/01/2010 to 25/03/2010, 66 data records

     S4: Sun, g0 = 0.7k  |*
     S4: Sun, g1 = 0.8k  |*
35   S4: Sun, g2 = 0.9k  |*

     S4: Mon, g0 = 23.7k |***********************
     S4: Mon, g1 = 20.8k |********************
     S4: Mon, g2 = 21.9k |*********************
40
   - S4: Tue, g0 = 22.5k |**********************
   + S4: Tue, g0 = 22.5k |**********************
     S4: Tue, g1 = 22.3k |*********************
     S4: Tue, g2 = 23.3k |**********************
45
     S4: Wed, g0 = 24.7k |************************
     S4: Wed, g1 = 21.3k |*********************
     S4: Wed, g2 = 25.3k |************************

50   S4: Thu, g0 = 25.1k |************************
     S4: Thu, g1 = 21.0k |********************
     S4: Thu, g2 = 25.7k |*************************

     S4: Fri, g0 = 23.1k |**********************
55 - S4: Fri, g1 = 17.5k |*****************
   + S4: Fri, g1 = 17.5k |*****************
     S4: Fri, g2 = 24.2k |**********************

     S4: Sat, g0 = 1.1k  |*
60   S4: Sat, g1 = 1.0k  |*
     S4: Sat, g2 = 1.2k  |*
   -
     ============================================
     === test 2: ass1  < pedestrians-statelib-p500.tsv
65 === Output: is different to expectations
   - S1: total data lines = 498
   +
   + S1: total data lines = 498 days
     S1: first data line  = 15/12/2009, 16096 people counted
70   S1: last data line   = 07/06/2011, 13902 people counted

     S2: range spanned    = 540 days
     S2: coverage ratio   = 92.2%
```

```
 75  │ S3: 12/2009 15/31 days covered, average count =    14.1k
     │ S3: 01/2010 31/31 days covered, average count =    13.1k
     │ S3: 02/2010 26/28 days covered, average count =    16.5k
     │ S3: 03/2010 31/31 days covered, average count =    20.1k
     │ S3: 04/2010 30/30 days covered, average count =    18.2k
 80  │ S3: 05/2010 31/31 days covered, average count =    16.9k
     │ S3: 06/2010 30/30 days covered, average count =    14.6k
     │ S3: 07/2010 31/31 days covered, average count =    16.8k
     │ S3: 08/2010 29/31 days covered, average count =    16.5k
     │ S3: 09/2010 30/30 days covered, average count =    16.8k
 85  │ S3: 10/2010 31/31 days covered, average count =    16.8k
     │ S3: 11/2010 19/30 days covered, average count =    16.4k
     │ S3: 12/2010 22/31 days covered, average count =    15.8k
     │ S3: 01/2011 29/31 days covered, average count =    13.7k
     │ S3: 02/2011 22/28 days covered, average count =    17.0k
 90  │ S3: 03/2011 27/31 days covered, average count =    20.6k
     │ S3: 04/2011 30/30 days covered, average count =    18.8k
     │ S3: 05/2011 28/31 days covered, average count =    16.5k
   − │ S3: 06/2011 06/30 days covered, average count =    16.3k
   + │ S3: 06/2011  6/30 days covered, average count =   16.3k
 95  │
   − │ S4: group  0 data, 15/12/2009 to 02/06/2010 166 data records
   − │ S4: group  1 data, 03/06/2010 to 26/11/2010 166 data records
   − │ S4: group  2 data, 27/11/2010 to 07/06/2011 166 data records
   + │ S4: group 0 data, 15/12/2009 to 02/06/2010, 166 data records
100  + │ S4: group 1 data, 03/06/2010 to 26/11/2010, 166 data records
   + │ S4: group 2 data, 27/11/2010 to 07/06/2011, 166 data records
     │
     │ S4: Sun, g0 = 12.9k │*************
     │ S4: Sun, g1 = 12.1k │************
105  │ S4: Sun, g2 = 12.8k │*************
     │
     │ S4: Mon, g0 = 16.3k │****************
     │ S4: Mon, g1 = 16.3k │****************
     │ S4: Mon, g2 = 17.7k │******************
110  │
     │ S4: Tue, g0 = 17.3k │****************
     │ S4: Tue, g1 = 16.7k │****************
     │ S4: Tue, g2 = 18.1k │******************
115  │ S4: Wed, g0 = 17.8k │******************
     │ S4: Wed, g1 = 16.9k │****************
     │ S4: Wed, g2 = 17.7k │******************
     │
     │ S4: Thu, g0 = 17.8k │******************
120  │ S4: Thu, g1 = 17.2k │*****************
     │ S4: Thu, g2 = 18.4k │******************
     │
     │ S4: Fri, g0 = 18.7k │******************
     │ S4: Fri, g1 = 19.8k │*******************
125  │ S4: Fri, g2 = 19.4k │*******************
     │
     │ S4: Sat, g0 = 15.7k │***************
     │ S4: Sat, g1 = 14.6k │***************
     │ S4: Sat, g2 = 14.9k │***************
130  − │
     │ ==============================================
     │ === Submission testing ended
     │ ==============================================
```