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/*
 * This code is from "Algorithms in C, Third Edition,"
 * by Robert Sedgewick, Addison Wesley Longman, 1998.
 * (With small alterations)
 */
#include <stdio.h>
#include <stdlib.h>
#include "Item.h"
#include "ST.h"
int main(int argc, char *argv[])
{
  int N;
  int lo = atoi(argv[1]), hi = atoi(argv[2]);
    Key v; Item item;
    STinit();
    for (N = 0; ITEMscan(&v) != EOF; N++)
      { if (STsearch(v) == NULLitem)
          { key(item) = v; STinsert(item); }

        STprint();
        printf("\n");
      }
    printf("Keys between %d and %d are\n", lo, hi);
    STprint_range(lo, hi);
/*     STsort(ITEMshow); printf("\n"); */
/*     printf("%d keys, ", N); */
/*     printf("%d distinct keys\n", STcount()); */
    return 0;
 }
```