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Terminal IO.c
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#include "Terminal_IO.h"
#include <sys/mman.h>
#include <sys/stat.h>
#include <unistd.h>
#include <fcntl.h>
//void printHistogram(Histogram *h, int index);
* Druckt ein Histogram im Terminal aus.
void printHistogramStruct(Histogram **h, int index) {
    int n;
    // Drucke Cursor
    printf("h[%d].cursor = %d\n", index, (*h[index]).cursor);
    for (n = 0; n < 52; n++) {
        if (n \ge 0 \&\& n < 26) \{ // GroÃM-^buchstaben \}
            printf("h[\%d].letter[\%c] = \%d\n", index, (char) n+65, (*h[index]).letter[n]
]);
        if (n >= 26 && n < 52)
            printf("h[\%d].letter[%c] = \%d\n", index, (char) n-26+97, (*h[index]).lette
r[n]);
        //printf("h[%d].letter[%d] = %d\n", index, n, h[index].letter[n]);
* Druckt alle Elemente des Histograms (Letter Array und Cursor) auf dem Termina
*Â @param h Histogramme
 * @param size Anzahl der Histogramme
void printHistogramArray(Histogram **h, int size)
 //printf("call HistogramArray(), size = %d\n", size);
    int index;
    char *zeile;
    for (index = 0; index < size; index++)</pre>
        zeile = getHistogramAsString(h[index]);
        printf("%d: %s\n", index, zeile);
void _printHistogramArray(Histogram *data, int size) {
    int index;
    char *zeile;
    for (index = 0; index < size; index++) {</pre>
        zeile = getHistogramAsString(data+index);
        printf("%d: %s\n", index, zeile);
void printControlLines(Histogram **h, const char *file_in, int line){
    FILE *datei;
    datei = fopen(file_in, "r");
    unsigned int cursor;
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//fseek(datei, OL, SEEK_END);
//unsigned int length = ftell(datei);
  cursor = (*h[(line - 1)]).cursor;
  fseek(datei, cursor, SEEK_SET);
  printf("Line %d: ", line);
  while( (c = fgetc(datei)) != '\n')
      printf ("%c", c);
  printf ("\n\n");
```