

```

/* Printing
 *
 * GtkPrintOperation offers a simple API to support printing
 * in a cross-platform way.
 */

#include <math.h>
#include <gtk/gtk.h>
#include "demo-common.h"

/* In points */
#define HEADER_HEIGHT (10*72/25.4)
#define HEADER_GAP (3*72/25.4)

typedef struct
{
    gchar *filename;
    gdouble font_size;

    gint lines_per_page;
    gchar **lines;
    gint num_lines;
    gint num_pages;
} PrintData;

static void
begin_print (GtkPrintOperation *operation,
             GtkPrintContext *context,
             gpointer user_data)
{
    PrintData *data = (PrintData *)user_data;
    char *contents;
    int i;
    double height;

    height = gtk_print_context_get_height (context) - HEADER_HEIGHT - HEADER_GAP;
    data->lines_per_page = floor (height / data->font_size);

    g_file_get_contents (data->filename, &contents, NULL, NULL);

    data->lines = g_strsplit (contents, "\n", 0);
    g_free (contents);

    i = 0;
    while (data->lines[i] != NULL)
        i++;

    data->num_lines = i;
    data->num_pages = (data->num_lines - 1) / data->lines_per_page + 1;
    gtk_print_operation_set_n_pages (operation, data->num_pages);
}

static void
draw_page (GtkPrintOperation *operation,
           GtkPrintContext *context,
           gint page_nr,
           gpointer user_data)
{
    PrintData *data = (PrintData *)user_data;
    cairo_t *cr;

```