

```

#include<stdio.h>
#include<stdlib.h>
#include<string.h>
#include "htmlCreate.h"
#include <sys/dir.h>
#include <sys/stat.h>

void poeBarra(char *pal){
    int i;

    for(i=0;i<strlen(pal);i++){
        if(pal[i]==' ') pal[i]='_';
    }
}

char *trataDate(char * date, char * dest){
    int i=0, h=0, j=0;
    char hor[]="hora:";

    dest = malloc((strlen(date)+strlen(hor)+1)*sizeof(char ));

    for(i=0;i<strlen(date);i++){
        if(date[i]>='A' && date[i]<='Z') {
            dest[j]=' ';
            if (h==0){
                j++;
                for(h=0;h<strlen(hor);h++){
                    dest[j]=hor[h];
                    j++;
                }
                j--;
            }
        }
        else dest[j]=date[i];
        j++;
    }

    return dest;
}

void createFile(List lista){
    Docs doc;

    mode_t process_mask = umask(0);

    mkdir("Ficheiros", S_IRWXU | S_IRWXG | S_IRWXO);

    umask(process_mask);

    char *dest;

    while(lista!=NULL){

        doc = lista->doc;

        //char caminhos[50] = "Ficheiros/";
        dest=malloc(1000*sizeof(char ));

        //strcat(caminhos,doc->titulo);
        strcat(dest,"Ficheiros/");
        strcat(dest,doc->titulo);
        //printf("caminho= %s \n",dest);
    }
}

```

```

    strcat(dest, ".html");
    //printf("html= %s \n", dest);

    poeBarra(dest);

    FILE *f = fopen(dest, "w+");

    if(f==NULL) {printf("Impossivel criar mais ficheiros na directoria\n\n"); return;}

    //printf("depois %s \n", dest);

    Links link;
    //iniciar html
    fprintf(f, "<html><head><meta http-equiv=\"Content-Type\" content=\"text/html; charset=utf-8\" /><title>%s</title></head>", doc->titulo);
    fprintf(f, "<body background=\"http://www.acaixamagica.com/acaixamagica.com/wp-content/uploads/HLIC/92ea2b808cc0ce10df3f48ceb72b2776.jpg\"><h1 align = center style=\"font-family: Palatino;\"><a href=\"http://pt.wikipedia.org/wiki/%s\" target=\"_blank\" >%s </a></h1>", doc->titulo, doc->titulo);
    char *autLast = "Anónimo";
    if(doc->autorLastRev!=NULL) autLast = doc->autorLastRev;
    fprintf(f, "<h2 style=\"font-family: Palatino;\">Autor ultima revisao: %s </h2>", autLast);
    char *dateLast = "Indefinida";
    if(doc->dateLastRev!=NULL) dateLast = trataDate(doc->dateLastRev, dateLast);
    fprintf(f, "<h2 style=\"font-family: Palatino;\">Data ultima revisao: %s </h2>", dateLast);

    fprintf(f, "<table WIDTH=100%><tr><td ALIGN=RIGTH, VALIGN=TOP>");

    //Tabela
    fprintf(f, "<table border=\"1\" cellpadding=0 bgcolor=\"#FFFFFF\">");
    fprintf(f, "<th><font color=\"#000000\"> %d Links Internos</font></th>", doc->nInter);
    link = doc->linkInter;
    while(link!=NULL){
        fprintf(f, "<tr><td><a href=\"http://pt.wikipedia.org/wiki/%s\" target=\"_blank\">%s </a></td></tr>\n", link->nomeLinks, link->nomeLinks);
        link=link->next;
    }
    fprintf(f, "</table>");
    //fim tabela

    fprintf(f, "</td><td ALIGN=CENTER, VALIGN=TOP>");

    //Tabela
    fprintf(f, "<table border=\"1\" cellpadding=0 bgcolor=\"#FFFFFF\">");
    fprintf(f, "<th><font color=\"#000000\"> %d Links Externos</font></th>", doc->nExt);
    link = doc->linkExt;
    while(link!=NULL){
        //fprintf(f, "<tr><td>http://www.%s </td></tr>\n", link->nomeLinks);
        fprintf(f, "<tr><td><a href=\"http://www.%s\" target=\"_blank\" >%s </a></td></tr>\n", link->nomeLinks, link->nomeLinks);
        link=link->next;
    }
    fprintf(f, "</table>");
    //fim tabela

    fprintf(f, "</td><td ALIGN=LEFT, VALIGN=TOP>");

    //Tabela
    fprintf(f, "<table border=\"1\" cellpadding=0 bgcolor=\"#FFFFFF\">");
    fprintf(f, "<th><font color=\"#000000\"> %d Links Secundários</font></th>", doc->nSec);
    link = doc->linkSec;
    while(link!=NULL){
        fprintf(f, "<tr><td> %s </td></tr>\n", link->nomeLinks);
    }

```

```

        link=link->next;
    }
    fprintf(f, "</table>");
    //fim tabela

    fprintf(f, "</td></tr></table>");

    //finalizar html
    fprintf(f, "</body></html>");

    fclose(f);

    //free(dest);

    lista=lista->next;
}

}

void createIndex(List lista){
    Docs doc = lista->doc;

    char *dest=NULL;

    dest=malloc(10000*sizeof(char));

    //strcat(caminhos,doc->titulo);
    strcat(dest,"Index");
    //printf("caminho= %s \n",dest);
    strcat(dest,".html");
    //printf("html= %s \n",dest);

    FILE *f = fopen(dest,"w+");

    Links link;
    //iniciar html
    fprintf(f, "<html><head><meta http-equiv=\"Content-Type\" content=\"text/html; charset=utf-8\" /><title>Índice</title></head>");
    fprintf(f, "<body background=\"http://www.acaixamagica.com/acaixamagica.com/wp-content/uploads/HLIC/92ea2b808cc0ce10df3f48ceb72b2776.jpg\"><h1 align=CENTER>Índice</h1>");

    //Tabela
    fprintf(f, "<table align=CENTER border=\"1\" cellspacing=0 bgcolor=\"#FFFFFF\">");

    char endereco[100];

    while(lista!=NULL){
        strcpy(endereco,lista->doc->titulo);
        poeBarra(endereco);
        fprintf(f, "<tr><td><a href=Ficheiros/%s.html target=\"_blank\" >%s </a></td></tr>
\n",endereco, lista->doc->titulo);
        lista=lista->next;
    }
    fprintf(f, "</table>");
    //fim tabela

    //finalizar html
    fprintf(f, "</body></html>");

    fclose(f);
}

```