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c
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#define CMD_BUF 512
#define LINE_BUF 2048
#define TMP_FILE "page.html"
void fetch_page(const char *url) {
char cmd[CMD_BUF];
snprintf(cmd, sizeof(cmd), "curl -s \"%s\" -o %s", url, TMP_FILE);
int ret = system(cmd);
if (ret != 0) {
printf("Failed to fetch page. Make sure curl is installed.\n");
}
}

void extract_titles() {
FILE *fp = fopen(TMP_FILE, "r");
if (!fp) {
printf("No page downloaded.\n");
return;
}
char line[LINE_BUF];
int count = 0;
printf("\n[Lines containing <title> or <h1>..</h1>]\n");
while (fgets(line, sizeof(line), fp) && count < 20) {
if (strstr(line, "<title>") || strstr(line, "<h1>")) {
printf("%s", line);
count++;
}
}
if (count == 0) {
printf("No titles found (simple parser).\n");
}
fclose(fp);
}

int main() {
char url[256];
printf("Enter news site URL (e.g. https://news.ycombinator.com):\n> ");
if (!fgets(url, sizeof(url), stdin)) return 1;
if (url[strlen(url) - 1] == '\n') url[strlen(url) - 1] = '\0';
if (strlen(url) == 0) {
printf("URL required.\n");
return 1;
}
fetch_page(url);
extract_titles();
printf("\nDone.\n");
return 0;
}
```