#include <stdio.h>

#include <string.h>

#include <stdlib.h>

#include <stdbool.h>

//#include "format.h"

int main(int argc, char \*argv[]){

char lineLength[100];

//accpeting the length of the line from terminal -w #

for (int k = 1; k < argc; k++) {

if (strcmp(argv[k], "-w") == 0) {

strcpy(lineLength,argv[k+1]);

/\*take to method for w or wall\*/

}

}

//confirming we have size of line length from terminal

printf("Line length: %s\n",lineLength);

printf("----+----1----+----2----+----3----+----4----+----5\n");

//lorem.txt

char textfile[100];

//array to hold the string with a certain line length

char array[atoi(lineLength)];

//get size of the string

int size = 0;

//print everything word by word

while(fgets(textfile, 100, stdin)) {

char \* toks;

toks = strtok(textfile, "\n ");

//splitting the line by space

while(toks != NULL ){

//if total token size is less then the length provided

//size = size + 1 + strlen(toks);

//printf("(size: %i)",(size + strlen(toks)));

if((size + strlen(toks)) <= atoi(lineLength)){

size = size + 1 + strlen(toks);

//printf("size: %i\n",size);

printf("%s ", toks);

}

else{

//printf("| max width: %i, size: %i, next token: %s\n", atoi(lineLength), size, toks);

printf("\n%s ", toks);

// printf("(size of hoe: %i)",(strlen(toks)));

size = strlen(toks); //!

// printf("(size of hoe: %i)",size);

}

//individual token

//printf("%s\n", toks);

toks = strtok(NULL, "\n ");

}

}

//adding that word to string

/\*

for(int i = count; i < strlen(toks); i++){

array[i] = textfile[i];

//printf("array:%s\n", array);

printf(" count size:%i\n",count);

}

\*/

//printf("%c\n", textfile[size]);

//if(fgets(textfile, 100, stdin) != NULL){

/\*

while(toks != NULL ){

toks = strtok(NULL, " ");

//check total size of string length, and if it reaches max input:

if(size <= atoi(lineLength)){

size = size + strlen(toks);

}

//printf("Total string length %i: ",size);

//Prints just the length of the tok:

//printf("String length: %lu:", strlen(toks));

printf("%s \n", toks);

}

\*/

/\*

//Trying token

for (int i = 1; i < atoi(lineLength); ++i){

fgets(textfile, atoi(lineLength), stdin);

printf("%s ", textfile);

//printf("toks %d run: %s \n",i, toks);

toks = strtok(NULL, " ");

fgets(textfile, sizeof(textfile), stdin);

}

\*/

//printf(" length of first line is %lu\n", sizeof(firstline));

//---print first line of text file-----

//char firstline[atoi(lineLength)];

//fgets(firstline, atoi(lineLength), stdin);

//printf("%s \n", firstline);

return 0;

}