The `line.h` file won't be as short as `word.h`. Our outline of the main loop reveals the need for functions that perform the following operations:

Write contents of line buffer without justification
Determine how many characters are left in line buffer
Write contents of line buffer with justification
Clear line buffer
Add word to line buffer

We'll call these functions `flush_line`, `space_remaining`, `write_line`, `clear_line`, and `add_word`. Here's what the `line.h` header file will look like:

line.h

```
#ifndef LINE_H
#define LINE_H

/************************************************
 * clear_line: Clears the current line.         *
 ************************************************/
void clear_line(void);

/************************************************
 * add_word: Adds word to the end of the current line.    *
 *           If this is not the first word on the line,   *
 *           puts one space before word.                  *
 ************************************************/
void add_word(const char *word);

/************************************************
 * space_remaining: Returns the number of characters left *
 *                  in the current line.                  *
 ************************************************/
int space_remaining(void);

/************************************************
 * write_line: Writes the current line with               *
 *             justification.                             *
 ************************************************/
void write_line(void);

/************************************************
 * flush_line: Writes the current line without            *
 *             justification. If the line is empty, does  *
 *             nothing.                                   *
 ************************************************/
void flush_line(void);

#endif
```

Before we write the `word.c` and `line.c` files, we can use the functions declared in `word.h` and `line.h` to write `justify.c`, the main program. Writing this file is mostly a matter of translating our original loop design into C.