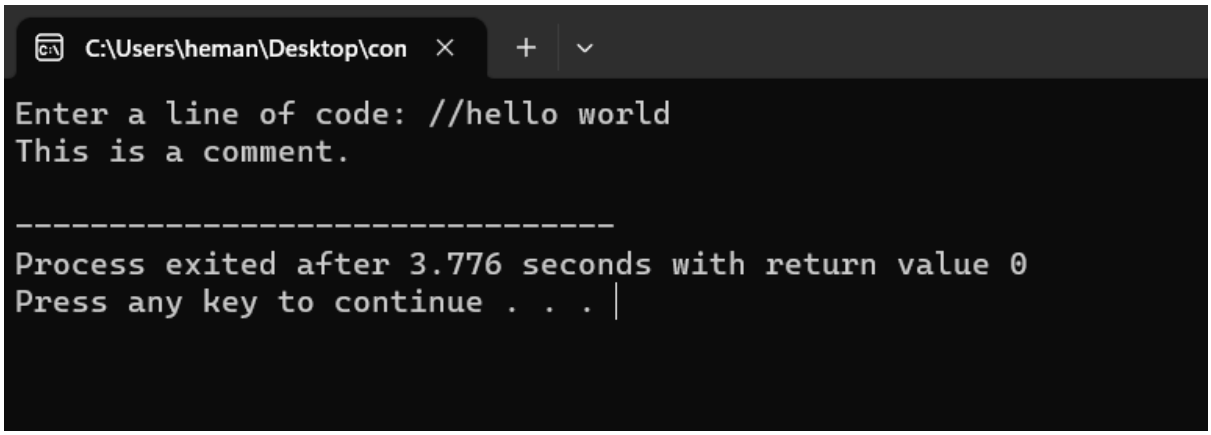
Develop a lexical Analyzer to identify whether a given line is a comment or not.

```
#include <stdio.h>
#include <string.h>

int is_comment(char *line) {
  int length = strlen(line);
  if (length >= 2 && line[0] == '/' && line[1] == '/') {
    return 1;
  } else if (length >= 2 && line[0] == '/' && line[1] == '*') {
    for (int i = 2; i < length - 1; i++) {
      if (line[i] == '*' && line[i + 1] == '/') {
        return 1;
      }
    }
  }
  return 0;
}

int main() {
  char line[100];
  printf("Enter a line of code: ");
  fgets(line, 100, stdin);
  if (is_comment(line)) {
    printf("This is a comment.\n");
  } else {
    printf("This is not a comment.\n");
  }
  return 0;
```

}


C:\Users\heman\Desktop\con
Enter a line of code: //hello world
This is a comment.

Process exited after 3.776 seconds with return value 0
Press any key to continue . . .