splint task.c -I ../inc

Splint 3.1.2 --- 21 Feb 2021

task.c: (in function create\_task)

task.c:7:22: Function calloc expects arg 1 to be size\_t gets int: n

To allow arbitrary integral types to match any integral type, use

+matchanyintegral.

task.c:24:27: Index of possibly null pointer t: t

A possibly null pointer is dereferenced. Value is either the result of a

function which may return null (in which case, code should check it is not

null), or a global, parameter or structure field declared with the null

qualifier. (Use -nullderef to inhibit warning)

task.c:7:8: Storage t may become null

task.c:60:2: Fresh storage t not released before return

A memory leak has been detected. Storage allocated locally is not released

before the last reference to it is lost. (Use -mustfreefresh to inhibit

warning)

task.c:7:6: Fresh storage t created

task.c: (in function search\_task)

task.c:113:17: Operand of ! is non-boolean (int): !feof(fp)

The operand of a boolean operator is not a boolean. Use +ptrnegate to allow !

to be used on pointers. (Use -boolops to inhibit warning)

task.c:118:6: Test expression for if not boolean, type int: ferror(fp)

Test expression type is not boolean or int. (Use -predboolint to inhibit

warning)

task.c:123:10: Operand of ! is non-boolean (int): !feof(fp)

task.c:132:10: Value ta[] used before definition

An rvalue is used that may not be initialized to a value on some execution

path. (Use -usedef to inhibit warning)

task.c: (in function update\_task)

task.c:181:17: Operand of ! is non-boolean (int): !feof(fp)

task.c:186:6: Test expression for if not boolean, type int: ferror(fp)

task.c:191:10: Operand of ! is non-boolean (int): !feof(fp)

task.c:196:10: Value ta[] used before definition

task.c:211:41: Value ta[] used before definition

task.c:211:41: Passed storage ta[].task\_id not completely defined (ta[].task\_id

is undefined): fprintf (..., ta[i].task\_id, ...)

Storage derivable from a parameter, return value or global is not defined.

Use /\*@out@\*/ to denote passed or returned storage which need not be defined.

(Use -compdef to inhibit warning)

task.c:211:56: Passed storage ta[].task\_name not completely defined

(\*(ta[].task\_name) is undefined): fprintf (..., ta[i].task\_name, ...)

task.c:211:56: Value \*(ta[].task\_name) used before definition

task.c:211:72: Passed storage ta[].description not completely defined

(\*(ta[].description) is undefined): fprintf (..., ta[i].description)

task.c:211:72: Value \*(ta[].description) used before definition

task.c:211:90: Passed storage ta[].deadline not completely defined

(\*(ta[].deadline) is undefined): fprintf (..., ta[i].deadline, ...)

task.c:211:90: Value \*(ta[].deadline) used before definition

task.c: (in function delete\_task)

task.c:282:17: Operand of ! is non-boolean (int): !feof(fp)

task.c:287:6: Test expression for if not boolean, type int: ferror(fp)

task.c:292:10: Operand of ! is non-boolean (int): !feof(fp)

task.c:299:10: Value ta[] used before definition

task.c:313:40: Value ta[] used before definition

task.c:313:40: Passed storage ta[].task\_id not completely defined (ta[].task\_id

is undefined): fprintf (..., ta[i].task\_id, ...)

task.c:313:55: Passed storage ta[].task\_name not completely defined

(\*(ta[].task\_name) is undefined): fprintf (..., ta[i].task\_name, ...)

task.c:313:55: Value \*(ta[].task\_name) used before definition

task.c:313:71: Passed storage ta[].description not completely defined

(\*(ta[].description) is undefined): fprintf (..., ta[i].description)

task.c:313:71: Value \*(ta[].description) used before definition

task.c:313:89: Passed storage ta[].deadline not completely defined

(\*(ta[].deadline) is undefined): fprintf (..., ta[i].deadline, ...)

task.c:313:89: Value \*(ta[].deadline) used before definition

Finished checking --- 31 code warnings