

1. FCFS Splint:

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preethus@INLEN6239008572: /mnt/c/test1
preethus@INLEN6239008572: /mnt/c/test1$ splint admin_def.c emp_def.c attendance1.c
Splint 3.1.2 --- 20 Feb 2018

admin_def.c: (in function admin_menu)
admin_def.c:14:2: Return value (type int) ignored: scanf("%d", &adm...
    Result returned by function call is not used. If this is intended, can cast
    result to (void) to eliminate message. (Use -retvalint to inhibit warning)
admin_def.c:16:2: Return value (type int) ignored: scanf("%s", &adm...
admin_def.c:18:5: Test expression for if not boolean, type int:
    validate_admin(admin_id, admin_password)
    Test expression type is not boolean or int. (Use -preboolint to inhibit
    warning)
admin_def.c:21:9: Test expression for while not boolean, type int: 1
admin_def.c:25:4: Return value (type int) ignored: scanf("%d", &opt)
admin_def.c:35:12: Operands of != have incompatible types (int, char):
    getchar() != '\n'
    A character constant is used as an int. Use +charintliteral to allow
    character constants to be used as ints. (This is safe since the actual type
    of a char constant is int.)
admin_def.c:36:6: Assignment of int to char: ch = getchar()
    To make char and int types equivalent, use +charint.
admin_def.c:58:9: Operands of != have incompatible types (int, char):
    getchar() != '\n'
admin_def.c:59:3: Assignment of int to char: ch = getchar()
admin_def.c:18:8: Variable dptra declared but not used
    A variable is declared but never used. Use /*@unused@/ in front of
    declaration to suppress message. (Use -varuse to inhibit warning)
admin_def.c: (in function admin_validate_name)
admin_def.c:75:2: Assignment of size_t to int: n = strlen(str)
    To allow arbitrary integral types to match any integral type, use
    +matchanyintegral.
admin_def.c:85:5: Variable check used before definition
    An rvalue is used that may not be initialized to a value on some execution
    path. (Use -usedef to inhibit warning)
admin_def.c:93:39: Function parameter admin_password declared as manifest array
    (size constant is meaningless)
    A formal parameter is declared as an array with size. The size of the array
    is ignored in this context, since the array formal parameter is treated as a
    pointer. (Use -fixedformalarray to inhibit warning)
admin_def.c: (in function validate_admin)
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2. SJF Splint:

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preethus@INLEN6239008572: /mnt/c/test1
warning)
emp_def.c:44:10: Possibly null storage ptr passed as non-null param:
    fprintf(ptr, ...)
    ^
A possibly null pointer is passed as a parameter corresponding to a formal
parameter with no /*@null@/ annotation. If NULL may be used for this
parameter, add a /*@null@/ annotation to the function parameter declaration.
(Use -nullpass to inhibit warning)
emp_def.c:17:6: Storage ptr may become null
emp_def.c:48:2: Return value (type int) ignored: scanf("%d", &ch)
emp_def.c:66:3: Return value (type int) ignored: fscanf(fp, "%d...
emp_def.c:64:8: Suspected infinite loop. No value used in loop test (fp) is
    modified by test or loop body.
This appears to be an infinite loop. Nothing in the body of the loop or the
loop test modifies the value of the loop test. Perhaps the specification of a
function called in the loop body is missing a modification. (Use -infloops to
inhibit warning)
emp_def.c:78:40: Function parameter password declared as manifest array (size
    constant is meaningless)
emp_def.c: (in function validate_employee)
emp_def.c:89:25: Function fgets expects arg 2 to be int gets size_t:
    sizeof(line)
    To allow arbitrary integral types to match any integral type, use
    +matchanyintegral.
emp_def.c:89:32: Possibly null storage fp passed as non-null param:
    fgets(..., fp)
    emp_def.c:85:7: Storage fp may become null
emp_def.c:108:14: Field ad.userId used before definition
    An rvalue is used that may not be initialized to a value on some execution
    path. (Use -usedef to inhibit warning)
emp_def.c:78:40: Parameter password not used
    A function parameter is not used in the body of the function. If the argument
    is needed for type compatibility or future plans, use /*@unused@/ in the
    argument declaration. (Use -paramuse to inhibit warning)
emp_def.c:6:5: Function exported but not used outside emp_def:
    validate_employee
    A declaration is exported, but not used outside this module. Declaration can
    use static qualifier. (Use -exportlocal to inhibit warning)
emp_def.c:113:1: Definition of validate_employee

Finished checking --- 14 code warnings
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21°C
Mostly clear

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14-12-2022