

Command Used: pcgomesp@pcgomesp-pc:~/stellantis\$ flawfinder --csv ./posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/																		
File	#	Line	#	Column	DefaultLevel	#	Level	Category	Name	Warning	Suggestion	Note	CWEs	Context	Fingerprint	ToolVersion	RuleId	HelpUri
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/controller.c	131		7		4	4	shell	execvp	execvp	This causes a new program to execute and is difficult to use safely (CWE-78).	try using a library call that implements the same functionality if available.		CWE-78	if (execvp(args[0], args) == -1) {	0434b2a748c336a5fcbcf49e646656cb8a182b112	2.0.19	FF1043	https://cwe.mitre.org/data/definitions/78.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/controller.c	146		7		4	4	shell	execvp	execvp	This causes a new program to execute and is difficult to use safely (CWE-78).	try using a library call that implements the same functionality if available.		CWE-78	if (execvp(args[0], args) == -1) {	0434b2a748c336a5fcbcf49e646656cb8a182b112	2.0.19	FF1043	https://cwe.mitre.org/data/definitions/78.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/panel.c	91		13		4	4	buffer	strcpy	strcpy	Does not check for buffer overflows when copying to destination [MS-banned] (CWE-120).	Consider using snprintf, strcpy_s, or strncpy (warning: strncpy easily misused).		CWE-120	strcpy (qCommands.command, sub1);	2a9798b53cf4190645dc4d037a6963139c2dd024f	2.0.19	FF1001	https://cwe.mitre.org/data/definitions/120.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/panel.c	92		13		4	4	buffer	strcpy	strcpy	Does not check for buffer overflows when copying to destination [MS-banned] (CWE-120).	Consider using snprintf, strcpy_s, or strncpy (warning: strncpy easily misused).		CWE-120	strcpy (qCommands.parameter, sub2);	56cd91805e10bfd1b7a548291587b6360f4bec8f	2.0.19	FF1001	https://cwe.mitre.org/data/definitions/120.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/sensors.c	63		5		3	3	random	srand	srand	This function is not sufficiently random for security-related functions such as key and nonce creation (CWE-327).	Use a more secure technique for acquiring random values.		CWE-327	srand(time(NULL)); // Inicialização do srand() para simulação dos sensores	ba1d38657d1384ee4038c4406346cd8bc05006e1	2.0.19	FF1048	https://cwe.mitre.org/data/definitions/327.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/inc/panelData.h	13		5		2	2	buffer	char	char	Statically-sized arrays can be improperly restricted, leading to potential overflows or other issues (CWE-119/CWE-120).	Perform bounds checking, use functions that limit length, or ensure that the size is larger than the maximum possible length.		CWE-119/CWE-120	char command [MQ_COMMAND_SIZE];	9ce31f6e6d4d702543be91f417c25941fefdf5bcd	2.0.19	FF1013	https://cwe.mitre.org/data/definitions/119.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/inc/panelData.h	14		5		2	2	buffer	char	char	Statically-sized arrays can be improperly restricted, leading to potential overflows or other issues (CWE-119/CWE-120).	Perform bounds checking, use functions that limit length, or ensure that the size is larger than the maximum possible length.		CWE-119/CWE-120	char parameter [MQ_COMMAND_SIZE];	3f0618fc917a23841d28c688311582a4691731697	2.0.19	FF1013	https://cwe.mitre.org/data/definitions/119.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/controller.c	173		4		2	2	buffer	memcpy	memcpy	Does not check for buffer overflows when copying to destination (CWE-120).	Make sure destination can always hold the source data.		CWE-120	memcpy (&auxSensorsData, shm_ptr, sizeof(sensorsData));	a71f9f655b598ab30e0d3730f155f67260bc74bd5	2.0.19	FF1004	https://cwe.mitre.org/data/definitions/120.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/controller.c	188		4		2	2	buffer	char	char	Statically-sized arrays can be improperly restricted, leading to potential overflows or other issues (CWE-119/CWE-120).	Perform bounds checking, use functions that limit length, or ensure that the size is larger than the maximum possible length.		CWE-119/CWE-120	char rx_buffer[sizeof(queueCommands)];	f20f82671ec0181e586db31bcb352fc842efc5cdccf	2.0.19	FF1013	https://cwe.mitre.org/data/definitions/119.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/controller.c	193		5		2	2	buffer	memcpy	memcpy	Does not check for buffer overflows when copying to destination (CWE-120).	Make sure destination can always hold the source data.		CWE-120	memcpy (&qCommands.rx_buffer, sizeof(queueCommands));	636f38ca1995a0335a15064dffaab1fb7f47c2c6bb	2.0.19	FF1004	https://cwe.mitre.org/data/definitions/120.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/panel.c	73		5		2	2	buffer	char	char	Statically-sized arrays can be improperly restricted, leading to potential overflows or other issues (CWE-119/CWE-120).	Perform bounds checking, use functions that limit length, or ensure that the size is larger than the maximum possible length.		CWE-119/CWE-120	char userInput [MQ_MAX_MSG_SIZE];	5879cc689ccf06af20d728329850f3d0eb368618c4	2.0.19	FF1013	https://cwe.mitre.org/data/definitions/119.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/panel.c	75		5		2	2	buffer	char	char	Statically-sized arrays can be improperly restricted, leading to potential overflows or other issues (CWE-119/CWE-120).	Perform bounds checking, use functions that limit length, or ensure that the size is larger than the maximum possible length.		CWE-119/CWE-120	char sub1 [MQ_COMMAND_SIZE], sub2 [MQ_COMMAND_SIZE];	a462421265532375eaac7eb074706dc4e60109bc	2.0.19	FF1013	https://cwe.mitre.org/data/definitions/119.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/sensors.c	121		13		2	2	buffer	memcpy	memcpy	Does not check for buffer overflows when copying to destination (CWE-120).	Make sure destination can always hold the source data.		CWE-120	memcpy(args->shm_ptr, &engineInfo, sizeof(sensorsData));	fcc0ba8dd636e3ddc70c2830e049fc09e5c0be8bf	2.0.19	FF1004	https://cwe.mitre.org/data/definitions/120.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/sensors.c	167		13		2	2	buffer	memcpy	memcpy	Does not check for buffer overflows when copying to destination (CWE-120).	Make sure destination can always hold the source data.		CWE-120	memcpy(args->shm_ptr, &engineInfo, sizeof(sensorsData));	fcc0ba8dd636e3ddc70c2830e049fc09e5c0be8bf	2.0.19	FF1004	https://cwe.mitre.org/data/definitions/120.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/sensors.c	204		13		2	2	buffer	memcpy	memcpy	Does not check for buffer overflows when copying to destination (CWE-120).	Make sure destination can always hold the source data.		CWE-120	memcpy(args->shm_ptr, &engineInfo, sizeof(sensorsData));	fcc0ba8dd636e3ddc70c2830e049fc09e5c0be8bf	2.0.19	FF1004	https://cwe.mitre.org/data/definitions/120.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/sensors.c	250		13		2	2	buffer	memcpy	memcpy	Does not check for buffer overflows when copying to destination (CWE-120).	Make sure destination can always hold the source data.		CWE-120	memcpy(args->shm_ptr, &engineInfo, sizeof(sensorsData));	fcc0ba8dd636e3ddc70c2830e049fc09e5c0be8bf	2.0.19	FF1004	https://cwe.mitre.org/data/definitions/120.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/controller.c	312		4		1	1	obsolete	usleep	usleep	This C routine is considered obsolete (as opposed to the shell command by the same name). The interaction of this function with SIGALRM and other timer functions such as sleep(), alarm(), settimer(), and nanosleep() is unspecified (CWE-676).	Use nanosleep(2) or settimer(2) instead.		CWE-676	usleep(500000);	527f01986401b216b8e8678d5c356dda4ea2ebed1	2.0.19	FF1069	https://cwe.mitre.org/data/definitions/676.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/controller.c	334		4		1	1	obsolete	usleep	usleep	This C routine is considered obsolete (as opposed to the shell command by the same name). The interaction of this function with SIGALRM and other timer functions such as sleep(), alarm(), settimer(), and nanosleep() is unspecified (CWE-676).	Use nanosleep(2) or settimer(2) instead.		CWE-676	usleep(500000);	527f01986401b216b8e8678d5c356dda4ea2ebed1	2.0.19	FF1069	https://cwe.mitre.org/data/definitions/676.html
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/panel.c	30		5		1	1	buffer	strcpy	strcpy	Easily used incorrectly, doesn't always \0-terminate or check for invalid pointers [MS-banned] (CWE-120).			CWE-120	strcpy(sub1, extract_token(&cursor, delim) ? "", MQ_COMMAND_SIZE);	8ce1bf1ce945fbcfc33d086f7d83c53e60322f0cd3	2.0.19	FF1008	https://cwe.mitre.org/data/definitions/120.html

/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/panel.c	31	5	1	1	buffer	strcpy	Easily used incorrectly; doesn't always \0-terminate or check for invalid pointers [MS-banned] (CWE-120).	CWE-120	strcpy(sub2, extract_token(&cursor, delim) ? "-", MQ_COMMAND_SIZE);	10bf13ea525920277defb279d883836566e1a0fa0c 2.0.19	FF1008	<a href="https://cwe.mitre.org/data/definitions/120.html">https://cwe.mitre.org/data/definitions/120.html</a>		
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/panel.c	102	9	1	1	obsolete	usleep	This C routine is considered obsolete (as opposed to the shell command by the same name). The interaction of this function with SIGALRM and other timer functions such as sleep(), alarm(), settimer(), and nanosleep() is unspecified (CWE-676).	Use nanosleep(2) or settimer(2) instead.	CWE-676	usleep(howMuchUsleep);	37006b9abc672034869c72ac3f670677d4702d03c 2.0.19	FF1069	<a href="https://cwe.mitre.org/data/definitions/676.html">https://cwe.mitre.org/data/definitions/676.html</a>	
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/sensors.c	124	13	1	1	obsolete	usleep	This C routine is considered obsolete (as opposed to the shell command by the same name). The interaction of this function with SIGALRM and other timer functions such as sleep(), alarm(), settimer(), and nanosleep() is unspecified (CWE-676).	Use nanosleep(2) or settimer(2) instead.	CWE-676	usleep(howMuchUsleep);	37006b9abc672034869c72ac3f670677d4702d03c 2.0.19	FF1069	<a href="https://cwe.mitre.org/data/definitions/676.html">https://cwe.mitre.org/data/definitions/676.html</a>	
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/sensors.c	170	13	1	1	obsolete	usleep	This C routine is considered obsolete (as opposed to the shell command by the same name). The interaction of this function with SIGALRM and other timer functions such as sleep(), alarm(), settimer(), and nanosleep() is unspecified (CWE-676).	Use nanosleep(2) or settimer(2) instead.	CWE-676	usleep(howMuchUsleep); // 500ms entre mudanas consecutivas no rpm	c0912f810e8849a43049d3284ded964c7d3d0e9ea 2.0.19	FF1069	<a href="https://cwe.mitre.org/data/definitions/676.html">https://cwe.mitre.org/data/definitions/676.html</a>	
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/sensors.c	207	13	1	1	obsolete	usleep	This C routine is considered obsolete (as opposed to the shell command by the same name). The interaction of this function with SIGALRM and other timer functions such as sleep(), alarm(), settimer(), and nanosleep() is unspecified (CWE-676).	Use nanosleep(2) or settimer(2) instead.	CWE-676	usleep(howMuchUsleep);	37006b9abc672034869c72ac3f670677d4702d03c 2.0.19	FF1069	<a href="https://cwe.mitre.org/data/definitions/676.html">https://cwe.mitre.org/data/definitions/676.html</a>	
/posix_lecture_project/trabalho-final-posix-pcgomesp/Trabalho_1/src/sensors.c	253	13	1	1	obsolete	usleep	This C routine is considered obsolete (as opposed to the shell command by the same name). The interaction of this function with SIGALRM and other timer functions such as sleep(), alarm(), settimer(), and nanosleep() is unspecified (CWE-676).	Use nanosleep(2) or settimer(2) instead.	CWE-676	usleep(howMuchUsleep);	37006b9abc672034869c72ac3f670677d4702d03c 2.0.19	FF1069	<a href="https://cwe.mitre.org/data/definitions/676.html">https://cwe.mitre.org/data/definitions/676.html</a>	