| Error ID | points | Error description |
| --- | --- | --- |
| COM | 50 | compilation error on a VM |
| COM2 | 80 | BOTH didn't compile |
| MISS | 50 | missing files of one of the 2 programs |
| PRM | 5 | permission problems |
| SBM | 5 | wrong submission file name |
| FOL | 5 | folders inside zip file |
| ZIP | 10 | submission file isn't zip |
| CIP | 5 | wrong name for c file |
| XTR | 10 | extra files |
| DNW | 100 | does not work! |
| wait | -10 | mmap_reader doesn't produce error when running it first and waiting |
| zerofifo | -5 | doesn't handle case of zero bytes |
| zerommap | -5 | doesn't handle case of zero bytes |
| mmap | -20 | basic mmap test fails |
| fifo | -20 | basic fifo test fails |
| disappear | -20 | doesn't handle the file disappearing mid-read |
| sig | -15 | mmap doesn't handle sigint case |
| TMP | -60 | created temp inside current folder! |
| sigint | -20 | missing or wrong handling of sigint |
| sigterm | -20 | missing or wrong handling of sigterm |
| sigpipe | -20 | missing or wrong handling of sigpipe |
| sigusr1 | -20 | missing or wrong handling of sigusr1 |
| unlink | -10 | missing unlink at the end of the file |
| flags | -5 | didn't set the handler's flags to 0 (unnecessary when using SIG_IGN) |
| signal | -10 | using signal() (or something similar) instead of sigaction() |
| sleep | -5 | missing sleep command at the beginning of fifo_reader's function |
| return | -15 | used return 0 to exit when receiving sigusr1, instead of exit() |
| small | -5 | reading or writing in blocks smaller than 1024 bytes |
| a | -20 | counting the number of bytes without ensuring they are all 'a's |
| a_logic | -10 | logical problem when handling validation of written bytes as 'a' and other ways of inproper handling of 'a's |
| write | -5 | didn't check if the number of bytes written is less than expected (not enough to check that the return value isn't negative - the exact value matters). |
| read | -5 | didn't check if the number of bytes read is less than expected (not enough to check that the return value isn't negative - the exact value matters). |
| empty | -2 | used an empty function (or almost empty) as an "ignore" handler, instead of using SIG_IGN |
| perm | -15 | didn't set file permissions to 0600 |
| chmod | -5 | missing chmod (with setting permissions) in mmap_writer before mapping the file. |
| mkfifo | -30 | didn't use mkfifo to create the fifo file |
| time | -5 | the time measuring process began one logical step too early or ended one logical step too late |
| time2 | -15 | the time measuring process began more than one logical step too early or ended more than one logical step too late |
| forbid | -5 | used a system call that is not allowed |
| free | -10 | didn't free all allocated memory |
| close | -10 | didn't close a file |
| unmap | -15 | missing unmapping |
| calls | -5 | once or twice: didn't check return values of ALL system calls |
| calls2 | -15 | repeated: didn't check return values of ALL system calls |
| errno | -5 | once or twice:   On an error: print a descriptive error message (string + result of strerror(errno)) and exit. |
| errno2 | -10 | repeated:   On an error: print a descriptive error message (string + result of strerror(errno)) and exit. |
| perror | -1 | do not use perror |
| RW | -2 | mmap_writer should open the file only for writing, and reader only for reading. |
| size | -10 | the actual file size should be at least the size passed as the parameter to the mapping procedure |
| restore | -5 | didn't restore the signal before exiting |
| old | -5 | the third parameter in sigaction should be &oldAction |
| msync | -5 | used it once and after sigusr1 |
| msync2 | -10 | used more than once or before sigusr1 |
| extrasig | -5 | handling a signal you weren't asked to |