

## READ ME FILE

1) The provided patch includes the following files list with the directory structure.

- src/Makefile.build
- src/vm/frame.c
- src/vm/frame.h
- src/vm/page.c
- src/vm/page.h
- src/vm/swap.c
- src/vm/swap.h
- src/vm/my\_hash.c
- src/vm/Make.vars
- src/vm/Makefile
- src/userprog/exception.c
- src/userprog/Make.vars
- src/userprog/pagedir.c
- src/userprog/process.c
- src/userprog/syscall.c
- src/userprog/syscall.h
- src/threads/thread.h

(some of the makefiles just to verify if the make variables are same )

2)The project main make file contains the entries for following c files

- vm\_SRC = vm/page.c
- vm\_SRC += vm/frame.c
- vm\_SRC += vm/swap.c
- vm\_SRC += vm/my\_hash.c

3) The VM make file contains the entry for compiling vm directory.

4) Merge the modified files to original files and do the make clean and make.

5)Some test cases may stuck (mmap\_exit and may some other also) so in that we have to close the BOCHS window before timeout other it will not get closed and we have to kill the process (helpful while running make check command)

6) To run some test cases, swap disk might be required to be attached to pintos so please create some minimum required size swap disk (say 8mb).