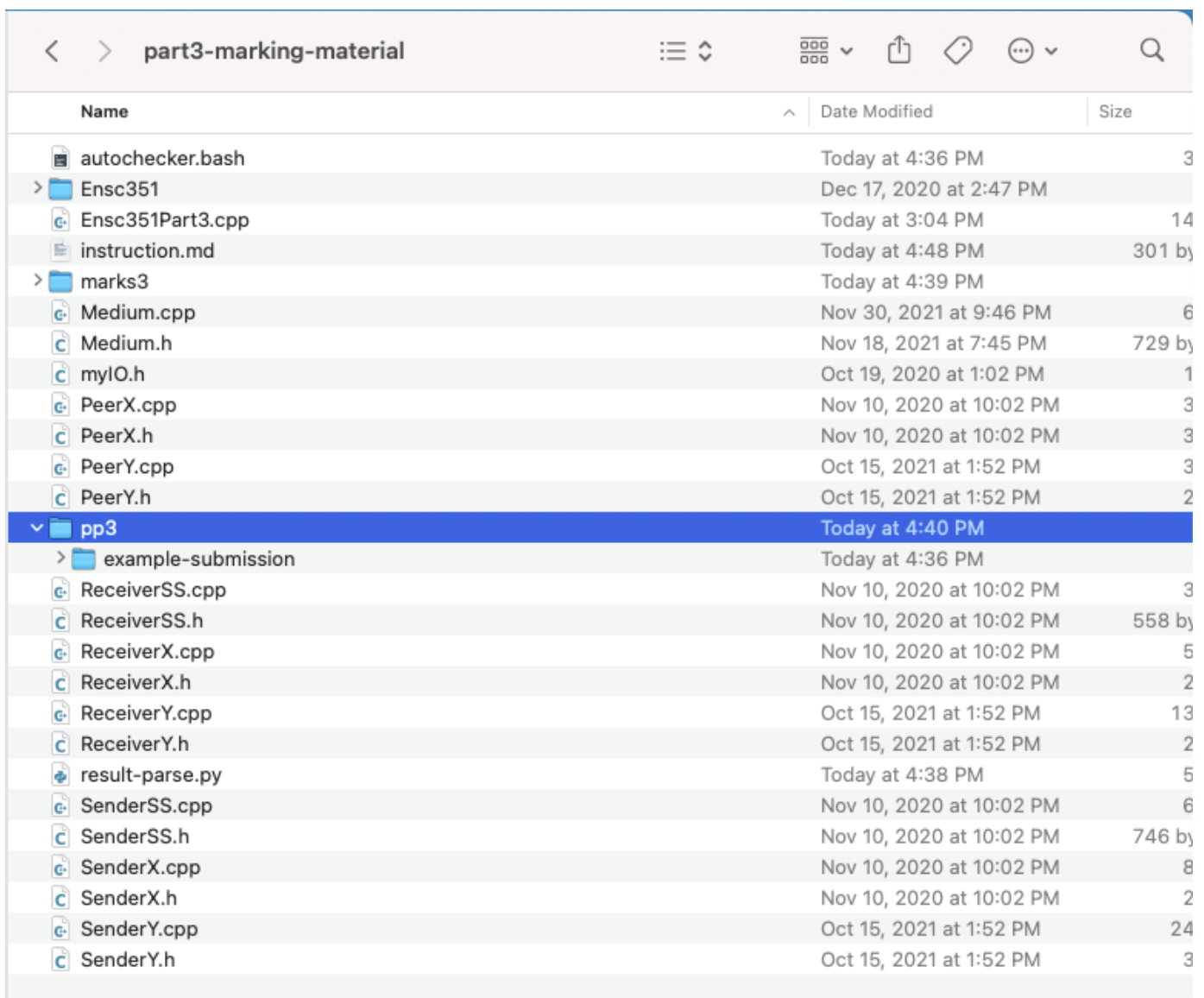


 instruction

Instruction to run part3 grading tests

Folder Structure

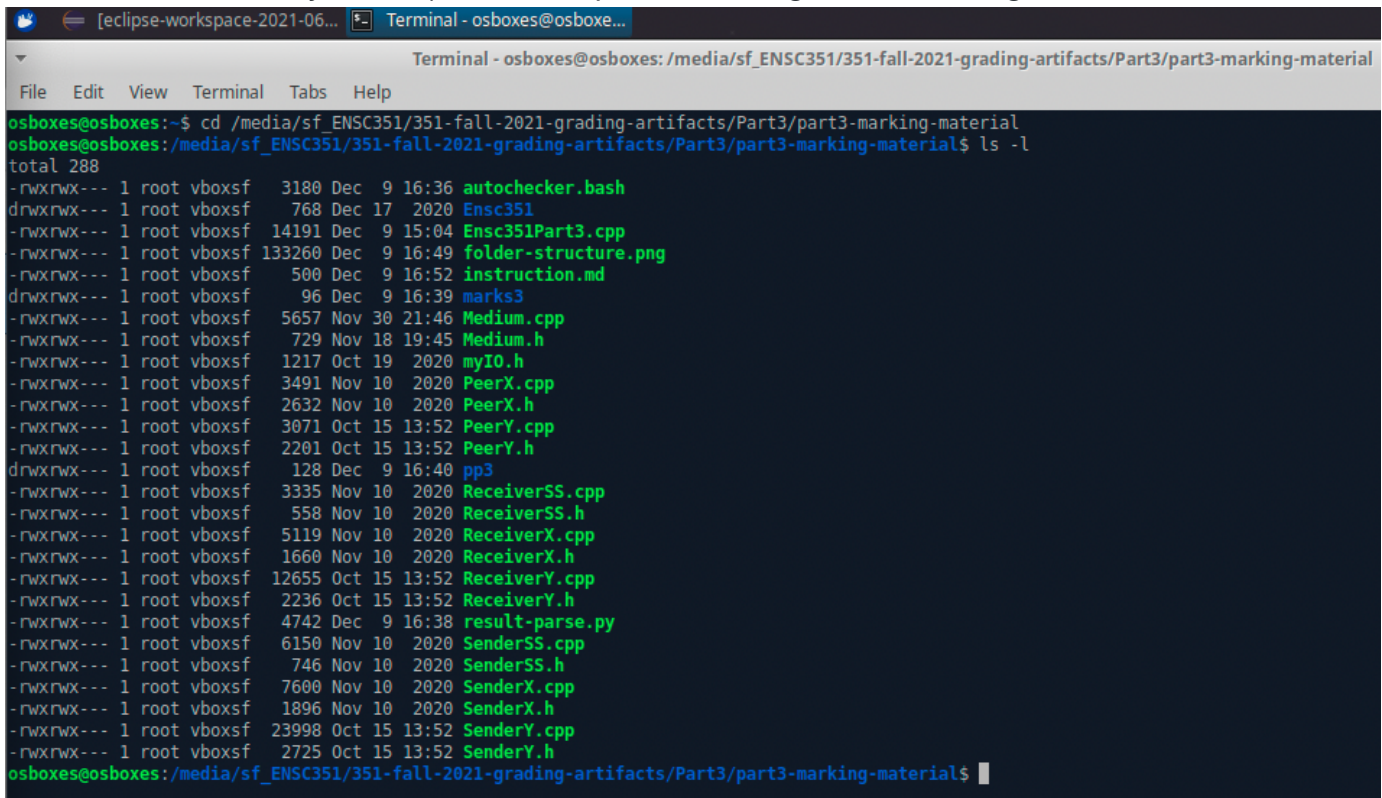
- Download and extract your part3 submission from coursys
- Move the extracted folder into *pp3/*
It's important that your submission is in the correct path, otherwise the scripts will not work.



| Name | Date Modified | Size |
|--------------------|--------------------------|-------|
| autochecker.bash | Today at 4:36 PM | 3 |
| Ensc351 | Dec 17, 2020 at 2:47 PM | |
| Ensc351Part3.cpp | Today at 3:04 PM | 14 |
| instruction.md | Today at 4:48 PM | 301 b |
| marks3 | Today at 4:39 PM | |
| Medium.cpp | Nov 30, 2021 at 9:46 PM | 6 |
| Medium.h | Nov 18, 2021 at 7:45 PM | 729 b |
| myIO.h | Oct 19, 2020 at 1:02 PM | 1 |
| PeerX.cpp | Nov 10, 2020 at 10:02 PM | 3 |
| PeerX.h | Nov 10, 2020 at 10:02 PM | 3 |
| PeerY.cpp | Oct 15, 2021 at 1:52 PM | 3 |
| PeerY.h | Oct 15, 2021 at 1:52 PM | 2 |
| pp3 | Today at 4:40 PM | |
| example-submission | Today at 4:36 PM | |
| ReceiverSS.cpp | Nov 10, 2020 at 10:02 PM | 3 |
| ReceiverSS.h | Nov 10, 2020 at 10:02 PM | 558 b |
| ReceiverX.cpp | Nov 10, 2020 at 10:02 PM | 5 |
| ReceiverX.h | Nov 10, 2020 at 10:02 PM | 2 |
| ReceiverY.cpp | Oct 15, 2021 at 1:52 PM | 13 |
| ReceiverY.h | Oct 15, 2021 at 1:52 PM | 2 |
| result-parse.py | Today at 4:38 PM | 5 |
| SenderSS.cpp | Nov 10, 2020 at 10:02 PM | 6 |
| SenderSS.h | Nov 10, 2020 at 10:02 PM | 746 b |
| SenderX.cpp | Nov 10, 2020 at 10:02 PM | 8 |
| SenderX.h | Nov 10, 2020 at 10:02 PM | 2 |
| SenderY.cpp | Oct 15, 2021 at 1:52 PM | 24 |
| SenderY.h | Oct 15, 2021 at 1:52 PM | 3 |

Compile and Run

- Move part3-marking-material to the shared folder you created at the beginning of the semester
- Launch a terminal in your VM, and enter part3-marking-material using the command **cd**



```
Terminal - osboxes@osboxes: /media/sf_ENSC351/351-fall-2021-grading-artifacts/Part3/part3-marking-material
File Edit View Terminal Tabs Help
osboxes@osboxes:~$ cd /media/sf_ENSC351/351-fall-2021-grading-artifacts/Part3/part3-marking-material
osboxes@osboxes:/media/sf_ENSC351/351-fall-2021-grading-artifacts/Part3/part3-marking-material$ ls -l
total 288
-rwxrwx--- 1 root vboxsf 3180 Dec  9 16:36 autochecker.bash
drwxrwx--- 1 root vboxsf 768 Dec 17 2020 Ens351
-rwxrwx--- 1 root vboxsf 14191 Dec  9 15:04 Ens351Part3.cpp
-rwxrwx--- 1 root vboxsf 133260 Dec  9 16:49 folder-structure.png
-rwxrwx--- 1 root vboxsf 500 Dec  9 16:52 instruction.md
drwxrwx--- 1 root vboxsf 96 Dec  9 16:39 marks3
-rwxrwx--- 1 root vboxsf 5657 Nov 30 21:46 Medium.cpp
-rwxrwx--- 1 root vboxsf 729 Nov 18 19:45 Medium.h
-rwxrwx--- 1 root vboxsf 1217 Oct 19 2020 myIO.h
-rwxrwx--- 1 root vboxsf 3491 Nov 10 2020 PeerX.cpp
-rwxrwx--- 1 root vboxsf 2632 Nov 10 2020 PeerX.h
-rwxrwx--- 1 root vboxsf 3071 Oct 15 13:52 PeerY.cpp
-rwxrwx--- 1 root vboxsf 2201 Oct 15 13:52 PeerY.h
drwxrwx--- 1 root vboxsf 128 Dec  9 16:40 pp3
-rwxrwx--- 1 root vboxsf 3335 Nov 10 2020 ReceiverSS.cpp
-rwxrwx--- 1 root vboxsf 558 Nov 10 2020 ReceiverSS.h
-rwxrwx--- 1 root vboxsf 5119 Nov 10 2020 ReceiverX.cpp
-rwxrwx--- 1 root vboxsf 1660 Nov 10 2020 ReceiverX.h
-rwxrwx--- 1 root vboxsf 12655 Oct 15 13:52 ReceiverY.cpp
-rwxrwx--- 1 root vboxsf 2236 Oct 15 13:52 ReceiverY.h
-rwxrwx--- 1 root vboxsf 4742 Dec  9 16:38 result-parse.py
-rwxrwx--- 1 root vboxsf 6150 Nov 10 2020 SenderSS.cpp
-rwxrwx--- 1 root vboxsf 746 Nov 10 2020 SenderSS.h
-rwxrwx--- 1 root vboxsf 7600 Nov 10 2020 SenderX.cpp
-rwxrwx--- 1 root vboxsf 1896 Nov 10 2020 SenderX.h
-rwxrwx--- 1 root vboxsf 23998 Oct 15 13:52 SenderY.cpp
-rwxrwx--- 1 root vboxsf 2725 Oct 15 13:52 SenderY.h
osboxes@osboxes:/media/sf_ENSC351/351-fall-2021-grading-artifacts/Part3/part3-marking-material$
```

- Run the script using command: **bash -x autochecker.bash**

It will look something like this

```

osboxes@osboxes:/media/sf_ENSC351/351-fall-2021-grading-artifacts/Part3/part3-marking-material$ bash -x autochecker.bash
+ git dir=/media/sf_ENSC351/git/enc351lib/Encsc351/
+ LD_FLAGS='-Wl,-rpath,/usr/lib/x86_64-linux-gnu -L/usr/lib/x86_64-linux-gnu -Wl,-rpath,/media/sf_ENSC351/git/enc351lib/Encsc351/Debug -L/media/sf_ENSC351/git/enc351lib/Encsc351/Debug -lboost_system -lboost_thread -lboost_unit_test_framework -lpthread'
+ pp3_dir=pp3
++ ls -d pp3/example-submission
+ for i in $(ls -d $pp3_dir/*)
+ compile pp3/example-submission
+ local sub_dir=pp3/example-submission
+ echo pp3/example-submission
pp3/example-submission
+ cp Encsc351Part3.cpp pp3/example-submission/Encsc351Part3.cpp
+ cp -n myIO.h pp3/example-submission/myIO.h
+ cp Medium.cpp pp3/example-submission/Medium.cpp
+ cp Medium.h pp3/example-submission/Medium.h
+ cp SenderY.h pp3/example-submission/SenderY.h
+ cp SenderY.cpp pp3/example-submission/SenderY.cpp
+ cp ReceiverY.h pp3/example-submission/ReceiverY.h
+ cp ReceiverY.cpp pp3/example-submission/ReceiverY.cpp
+ cp PeerY.cpp pp3/example-submission/PeerY.cpp
+ cp PeerY.h pp3/example-submission/PeerY.h
+ g++ -std=c++17 -I/media/sf_ENSC351/git/enc351lib/Encsc351/ -I/usr/include -O0 -g3 -c -Wno-register -Wno-return-type -fmessage-length=0 -MMD -MP -MF pp3/example-submission/Encsc351Part3.d -MT pp3/example-submission/Encsc351Part3.o -o pp3/example-submission/Encsc351Part3.o pp3/example-submission/Encsc351Part3.cpp
+ g++ -std=c++17 -I/media/sf_ENSC351/git/enc351lib/Encsc351/ -I/usr/include -O0 -g3 -c -Wno-register -Wno-return-type -fmessage-length=0 -MMD -MP -MF pp3/example-submission/SenderY.d -MT pp3/example-submission/SenderY.o -o pp3/example-submission/SenderY.o pp3/example-submission/SenderY.cpp
+ g++ -std=c++17 -I/media/sf_ENSC351/git/enc351lib/Encsc351/ -I/usr/include -O0 -g3 -c -Wno-register -Wno-return-type -fmessage-length=0 -MMD -MP -MF pp3/example-submission/Medium.d -MT pp3/example-submission/Medium.o -o pp3/example-submission/Medium.o pp3/example-submission/Medium.cpp
+ g++ -std=c++17 -I/media/sf_ENSC351/git/enc351lib/Encsc351/ -I/usr/include -O0 -g3 -c -Wno-register -Wno-return-type -fmessage-length=0 -MMD -MP -MF pp3/example-submission/PeerY.d -MT pp3/example-submission/PeerY.o -o pp3/example-submission/PeerY.o pp3/example-submission/PeerY.cpp
+ g++ -std=c++17 -I/media/sf_ENSC351/git/enc351lib/Encsc351/ -I/usr/include -O0 -g3 -c -Wno-register -Wno-return-type -fmessage-length=0 -MMD -MP -MF pp3/example-submission/ReceiverY.d -MT pp3/example-submission/ReceiverY.o -o pp3/example-submission/ReceiverY.o pp3/example-submission/ReceiverY.cpp
+ g++ -std=c++17 -I/media/sf_ENSC351/git/enc351lib/Encsc351/ -I/usr/include -O0 -g3 -c -Wno-register -Wno-return-type -fmessage-length=0 -MMD -MP -MF pp3/example-submission/myIO.d -MT pp3/example-submission/myIO.o -o pp3/example-submission/myIO.o pp3/example-submission/myIO.cpp
pp3/example-submission/myIO.cpp: In function 'int myReadCond(int, void*, int, int, int, int)':
pp3/example-submission/myIO.cpp:230:46: warning: pointer of type 'void*' used in arithmetic [-Wpointer-arith]
   230 |         int temp = wcsReadCond(des, (buf + bytesRd), n-bytesRd, 1, time, timeout);
       |                                   ~~~~~^~~~~~
+ g++ -Wl,-rpath,/usr/lib/x86_64-linux-gnu -L/usr/lib/x86_64-linux-gnu -Wl,-rpath,/media/sf_ENSC351/git/enc351lib/Encsc351/Debug -L/media/sf_ENSC351/git/enc351lib/Encsc351/Debug -lboost_system -lboost_thread -lboost_unit_test_framework -lpthread -L/media/sf_ENSC351/git/enc351lib/Encsc351/Debug -o pp3/example-submission/Encsc351Part3 pp3/example-submission/Encsc351Part3.o pp3/example-submission/Medium.o pp3/example-submission/PeerY.o pp3/example-submission/ReceiverY.o pp3/example-submission/SenderY.o -lEncsc351 -lboost_system -lboost_thread -lboost_unit_test_framework -lpthread
+ continue
++ ls -d pp3/example-submission
+ for i in $(ls -d $pp3_dir/*)
+ echo pp3/example-submission
pp3/example-submission
+ rm Encsc351Part3
+ cp pp3/example-submission/Encsc351Part3 ./Encsc351Part3
+ '[' '' -f Encsc351Part3 ']'
+ timeout 1m ./Encsc351Part3 --log_level=all --run_test=priority_test
Running 1 test case...
Entering test module "ENC351Part3"
pp3/example-submission/Encsc351Part3.cpp(259): Entering test case "priority_test"
1. RetVal: 14 Ba: 1234abcd56789
Mark: 5
T42. RetVal: 0
T32. RetVal: 0
2. RetVal: 4 Ba: tsu
Mark: 5
3. RetVal: -1 errno: Bad file descriptor
Mark: 1
4. RetVal: -1
Mark: 1
5. RetVal: -1
Mark: 1
6. RetVal: -1 errno: Bad file descriptor
Mark: 1
7. RetVal: -1 errno: Bad file descriptor
Mark: 1
8. RetVal: -1 errno: Bad file descriptor
Mark: 1
9. RetVal: -1 errno: Bad file descriptor
Mark: 1
10. RetVal: -1 errno: Bad file descriptor
Mark: 1
11. RetVal: -1 errno: Bad file descriptor
Mark: 1
DONE.Test case priority_test did not check any assertions
pp3/example-submission/Encsc351Part3.cpp(259): Leaving test case "priority_test"; testing time: 48545us
Leaving test module "ENC351Part3"; testing time: 48672us

*** No errors detected
+ mv priority-test-score.txt pp3/example-submission/

```

Run the Result Parser

- run command: ***python3 result-parse.py***
 - The python script looks for ***pp3/<your_submission>/priority-test-score.txt*** and extracts marks from the file
 - The script also generates ***marks3/part3.csv***, showing your score breakdown
 - you may need to install a few python packages. I'll leave that to you