FYI For Regrade Requests COL331/633

* Following document describes ideal conditions for students to raise regrade requests.
* If your solutions matches the criteria please make sure your raise a request against that question
* **NOTE:** Frivolous requests including those that have already been dealt with on piazza and requests to “get a passing grade” are strongly discouraged and students raising such requests will be penalized.

1.1 What will be the return value if the function returns ?

* + Request criteria:
    1. Answered **3**  and still got 0.
  + Don’t raise if:
    1. Answered anything other than **3.**

2.1 What are the smallest values of ***iter*** for which the program will crash?

* + Request criteria:
    1. If you have answered **65** and haven’t got full marks or if you have answered **129** and haven’t got any partial marks. (Ideally int size should be 4) or if you have answered **256/sizeof(int) + 1** and haven’t got any marks.
  + Don’t raise if:
    1. Answered anything other than the above. Or used 100/sizeof(int) +1 or 100/4 + 1 as the address was clearly hex number (which starts with 0x)

2.2 Why running the program for the second time with ***iter***=100 crashes?

* + Request criteria:
    1. **Bonus Question** (Everyone will get full marks)
  + Don’t raise if:

2.3 Modify malloc/free implementations such that it works for all iter values

* + Request criteria:
    1. If you have answered: In free you have returned **sbrk(-sizeof(int))** or **sbrk(-4)** and haven’t got full marks, or **sbrk(-2**) and haven’t got partial marks. Or if you have done sbrk(-4) in malloc when it is about to reach 100th call to malloc by keeping track with a global variable and haven’t got full marks. Or if you’ve used other correct implementations like address order+coalescing from umalloc.c in xv6
  + Don’t raise if:
    1. If answered other than above, or if in malloc used the physical address to set the return value, as the physical address won’t be accessible to malloc

3.4 What random read throughput can we expect ?

* + Request criteria:
    1. Followed the OSTEP book and used 10kb to calculate R and got answer **8 MBPS**
  + Don’t raise if:
    1. The answer is close to neither **3.2 MBPS** nor **8 MBPS**

3.5 What random write throughput can we expect ?

* + Request criteria:
    1. Followed the OSTEP book and used 10kb to calculate R and got answer **2 MBPS**
  + Don’t raise if:
    1. The answer is close to neither **0.8 MBPS** nor **2 MBPS**

4.1 metadata journaling

* + Request criteria:
    1. If handwriting was bad, and you have given the right answer.
    2. Correct answer is buried underneath an irrelevant story.
  + Don’t raise if:
    1. There is no mention of “Failure of data block writes”.

4.2 full journaling

* + Request criteria:
    1. Answer said situation cannot happen and argued about atomicity through the log.
  + Don’t raise otherwise.

5.1 What is the Current Privilege Level ?

* + Request criteria:
    1. If answered **0** or **3** but did not get the marks.
  + Don’t raise if:
    1. Answered anything other than **0** or **3.**

5.2 Which index of the GDT is going to be used to do address translation for eip ?

* + Request criteria:
    1. If answered **3** or **864** but did not get the marks.
  + Don’t raise if:
    1. Answered anything other than **3** or  **864.**

5.3 What value should the DPL be set to, in a segment descriptor, such that it can be referred to by the program ?

* + Request criteria:
    1. Answered any of the following: **0, 1, 2, 3**  and did not get marks.
  + Don’t raise if:
    1. Did not attempt the question.

6.1 Snapshotting

* + Request criteria:
    1. If and only if you have marked all arrows correctly, but I gave a 0 mistakenly.
  + Don’t raise if:
    1. Arrows are marked partially.

6.2 Snapshotting

* + Request criteria:
    1. Byte Map values for either inode 6 or data block 14 or both is correct, but I gave a 0.
  + Don’t raise if:
    1. Both values are incorrect or, missing.

6.3 Snapshotting

* + Request criteria:
    1. You did 1000/512 = 2 but, I gave a 0.
  + Don’t raise if:
    1. Answer written by you is neither 2 nor 10.

6.4 Snapshotting

* + Request criteria:
    1. You wrote True, but I gave 0, by mistake.
  + Don’t raise if:
    1. -

6.5 Snapshotting

* + Request criteria:
    1. You wrote True, but I gave 0, by mistake.
  + Don’t raise if:
    1. -

6.6 Snapshotting

* + Request criteria:
    1. If you have mentioned either 3 inode blocks or 13 inodes.
    2. If you have mentioned 15 data blocks.
  + Don’t raise if:
    1. Your answers mentions any number other than that mentioned above.

6.7 Snapshotting

* + Request criteria:
    1. If your answer is correct (complete or partial) as per the rubrics.
  + Don’t raise if:
    1. Did not attempt the question

6.8 Snapshotting

The correct answer is either of the following:

* Block 4: 11, 7, 8, 9, 11; data byte map: 10:0, 11:2; inode byte map: 5:1
* Block 5: I9: 11; Block 4: 7, 7, 8, 9, 11; data byte map: 11:2, 10:0; inode byte map: 5:1, 9:1 [-0.5 reduction because the latest snapshot is no more accessible.]
  + Request criteria:
    1. If the byte map information is correct, but the block is wrong.
    2. If you have answered the question with respect to any other previous questions.
    3. If your answer is correct (complete or partial) as per the rubrics.
  + Don’t raise if:
    1. Did not attempt the question

6.9 Snapshotting

* + Raise if required

6.10 Snapshotting

* + Raise if required

6.11 Snapshotting

* + Raise if required