Spring 2025 Operating Systems

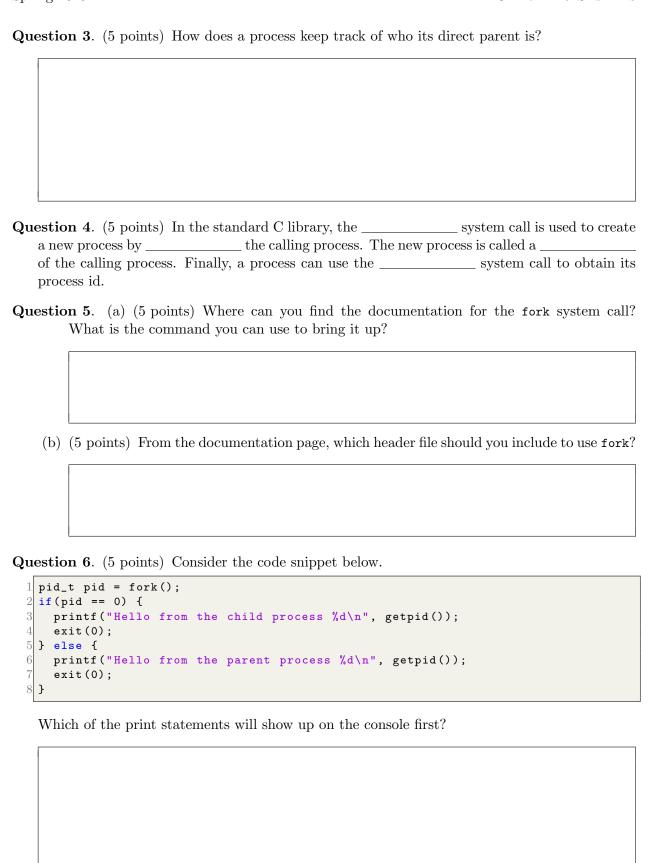
## CSSE 332 -- OPERATING SYSTEMS

## Introduction to Processes

Name:		
Question 1. (5 points) The figure below part of the process address space with		
High Address		
Low Address		
Occation 2 (Torsinto) Describe have no		II
Question 2. (5 points) Describe how presystem.	cocesses are related to each other	in a Unix-like operating

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Question 7. (5 points) Consider the code snippet below.

```
pid_t my_pid = getpid();
if(fork() == 0) {
    printf("My pid is %d\n", my_pid);
    exit(0);
} else {
    printf("My pid is %d\n", my_pid);
    exit(0);
}
```

Which of the following statements is **True**?

- A. Each process will print its own process id.
- B. Both processes will print the same value, which is the process id of the parent.
- C. Both processes will print the same value, which is the process id of the child.
- D. We cannot know what values will be printed in each case.
- E. None of the above.

Question 8. (10 points) Consider the following snippet of code.

```
for(int i = 0; i < 3; i++)
  fork();</pre>
```

How many process will we end when this loop runs? Draw the corresponding tree of these processes.

Question 9. (10 points) Please write down two sentences describing two new things that you learned in this session.

**Question 10**. (10 points) Please write down two things that you are still not very clear about, or any questions that you might have that the session did not go over or did not cover well.

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