Assignment #3 Process Communication

Will introduce inter process communication and redirection. We will use pipe() and dup(). The assignment is to pipe output from the child to the parent. Your program should:

* Check to verify the fork was created **(15%)**
* Prompt for a command and arguments **(15%)**
* There are two arguments that are optional -o and -b
  + -o standard output is redirected to the file output.txt only.
  + -b standard output is redirected to the file output.txt and the monitor
  + No arguments standard output to the monitor
* Execute the command from a child process **(20%)**
* Pipe the output from the child to the parent process **(20%)**
* Redirect the parent process standard output to output.txt **(30%)**

If output.txt does not exist, then your application should create it. If it does exist, then the file should be truncated and over written.

Save the file as 3.cpp. Each of the bold bullets are worth the listed percentage. For example, if you do not make an output.txt file (the final bullet), you will lose 30% on the assignment.

**Due date: Sunday, September 24th, 11:59 PM**