Programming Assignment #3

- **Due:** 5 PM Saturday 3 March 2018.
- **Team Based:** You may work in groups of up to 3 members (pair programming recommended).
- **Required Artifacts:**
  - The source code (.c) file. Only one student needs to upload the file to Titanium for the entire group. Write the following information as comments at the beginning of the file.
    - All the student names with the associated CWIDs
      - Ex: Gina Ackerman 135798
    - Assignment #
  - Large screenshot(s) of your program output.
- **Note:** No late assignment will be accepted after 24 hours of the due date, i.e., your group will get 0 point.
- **Grading Rubric:**
  - Build cleanly: 5 points
  - Correct Output: 5 points
  - Functions:
    - request_rating(…) // 20 points
    - respond_to_the_rating (…); // 20 points
    - main(); // 20 points

Requirement

Design a program using ordinary pipes in which one process (e.g., parent process) sends the student's response to the exam difficulty-rating question to a second process (e.g., child process). The second process sends a new message with the student's rating back to the first process. For example, the first process asks the student how s/he rates the difficulty of the exam 1. Then, the first process sends the student's response to the second process. If the student responds that the exam is ok, the second process sends back the following message to the first process: ">> Exam 1 is just right".

This will require two pipes:

- One pipe for sending the student's response from the first process to the second process.

- The other pipe for sending the new message from the second process to the first process.

Below is the output of the program:

How would you rate the difficulty of Exam 1?
Enter E for Easy, O for ok, H for Hard: O
answer: O
easy or hard: just right
    child read... >just right<
    child is writing...:Exam 1 is just right
>> Exam 1 is just right!

Note: my program can handle a lower or upper case response from the student (i.e., o or O).