Assignment 3

Operating System Lab (CS341)
Department of CSE, IIT Patna

Date:- 22-Jan-2017   **Time:**- 3 hours

Instructions:

1. All the assignments should be completed and uploaded by 5 pm. Marks will be deducted for the submissions made after 5 pm.
2. Markings will be based on the correctness and soundness of the outputs. Marks will be deducted in case of plagiarism.
3. Proper indentation and appropriate comments (if necessary) are mandatory.
4. You should zip all the required files and name the zip file as *roll_no*.**zip**, eg. **1501cs11.zip.**
5. Upload your assignment (**the zip file**) in the following link:
   https://www.dropbox.com/request/RDgZD5LvjdidquhXPxWH

Questions:

1. Write a program in C to create a child process using "***fork***" system call and convert it zombie process. Show that the child process become zombie process.
2. Create a child process and make it orphan process. What is the significance of the orphan process.
3. Create a pipe by a parent process and create a child process to read any message which is written to that pipe by the parent process.