

# CSE 232

## Systems Programming

2017 Spring

### Labwork Assignment 6

**Last Submission Time: End of lab hour**

#### **Purpose of This Labwork**

The purpose of this experiment is to practice on Linux commands

In this labwork, you will find and display the cheapest of several items provided in an input file.

If the contents of the input file price.txt is the following:

15, banana  
35, cherry  
10, apple  
30, apricot

The output should be

10, apple

Price and item name are separated by comma in both the input and the output. You should apply the following steps to achieve the required task using Linux commands:

1. Sort price.txt using the sort command. The output of this command is:

10, apple  
15, banana  
30, apricot  
35, cherry

2. Redirect the output of step 1 into a file named sorted.txt using redirection. (Sample usage of redirection is: command > filename)

3. Verify that the sorted output is properly written into the file sorted.txt using cat command. When you execute the cat command to display the contents of sorted.txt, you should see the following output on the screen:

10, apple  
15, banana  
30, apricot  
35, cherry

4. Now the cheapest item is located in the first line of the file sorted.txt. Display it using the head command. (Sample usage of head command is: head -nx a.txt for displaying the first x lines of the file a.txt.) When you execute the head command, you should see the cheapest item as follows:

10, apple

## **SUBMISSION**

Save your commands in a file named “**nameLastNameID.txt**” and submit it using COADSYS.