## **CSE3041 – Programming for Data Science**

## **Practice Questions**

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A company organizes an online poll for its new product by getting the details of the customer such as name, age and rating of the product. The polled population has to be organized according to their age (less than or equal to 20 and older than 20). Implement an algorithm to display the sorted list of customers, according to the product ratings under both the age categories.		

Output List 1 (Under the age 20)  Cust 1 18 8.3 Cust 3 17 8.8  List 2 (Above the age 20)  Cust 4 52 7.4 Cust 5 45 8.7 Cust 2 25 9.1  4 Abe is going to plant 'm' oak trees and 'n' pine trees. Abe would like to plant the tree in rows that all have the same number of trees and are made up of only one type of tree. What is the greatest number of trees Abe can have in each row? Write a recursive function to find the solution.  5 Write a function to remove all punctuations in a passage.  6 Given three points, write a program to check if they can form a triangle using the condition given below:		Cust 5 45	8.7	
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