CIC6010 - Python programming

Practice session 5

1) Write a Python module to display the largest number from a list. The input list is [4,6,2,4,8,12,7], hence the output should be 12. Print the index of the largest number. Your output will be: 12 and 5. Write your own module and function(s) first, then find in-built or third party modules for solving the problem.

2) Define a function sum_of_reciprocals() which takes a positive integer N as an input and returns the sum of the reciprocals for values 1 to N (inclusive), i.e. the sum of the values: 1/1 + 1/2 + 1/3 + … + 1/N. E.g, a function call sum_of_reciprocals(2) should return 1.5 as its result. Be careful to avoid division-by-zero errors.