Special Instructions:

Problem 8:
Use a for loop to screen all the elements of BOS and SEA. You will have to use additional conditional statements to then store the elements into a matrix for parts b and c. Use fprintf to display answers in full sentences.

Problem 11:
The first and second element in the series is always 1. You will have to use 2 For loops. Use a running sum within the second For loop. Here is a suggested approach:

```matlab
T=2
for k=3:n
    t(k) = ...
    T=T +1/ t(k)
end
```
You will have to define t(k) appropriately to use the for loop. In addition you will have to use the first for loop to execute the program for n=[10 50 100]. Use fprintf to display answers for all three summations.

Problem 19:
You will need 3 for loops. You will have to offset each for loop to run iterations so you don’t repeat combinations. For instance the set of (a,b,c) = (3, 4, 5) is redundant with (a,b,c) = (4,3,5). In other words c>b>a for all triples. Thus the loop counter for each for loop should be offset to account for this.

For all problems display your answers appropriately.

Beginning with this assignment and for all subsequent assignments, you need to include units whenever you have them. If you do not understand the units used, ask. If you do not add units, points will be deducted.

Submit printouts of both the Script File and the Command Window