

CMPE 101 - Intermediate Programming

Worksheet(Week-09A)

Question-01

Write a method that takes an integer array as a parameter and returns sum of the smallest and the biggest elements.

For exaple: If your array elemens are: 100 4 -3 30 -10 30 -60 9,
then your method should return: 40 // 100+(-60)=40

Question-02

Write a method that makes following calculation. You are not allowed to use the **Math.pow()** method, but you my write your helper method to calculate power of numbers.

$$f(x, n) = x^2 + x^4 + x^6 + x^8 + x^{10} + x^{12} \dots + x^{n+2}$$

Question-03

Write a method that takes two integer arrays with the same size as parameters, and returns a mixed array as a result. For example:

Suppose the first elment array are: 10 20 30 40 50 60
And the second array elemens are: -10 -20 -30 -40 -50 -60

Then the resulted array shuould be filled accoring to the following rule:
read the first data from the first array, then read the first number
from the second array, after that read the 2nd element from the first array, and
repeat it till read all numbers from both of the arrays.

10 -10 20 -20 30 -30 40 -40 50 -50 60 -60