

CS 315 Lab 9

Floating point multiplication exercise:

$$\begin{array}{r} -3.5 \\ \times \quad 5.250 \\ \hline -18.375 \quad (\text{expected}) \end{array}$$

Write a subprogram `allocate_double_array` that will prompt a user for array size and then allocates a dynamic of doubles array given array size. This subprogram does not get any arguments IN but returns two argument OUT, array base address and array size.

Write a subprogram `get_average` that will get as argument IN base address of an array of doubles and array size. This subprogram returns an average in double precision floating point format.