

# Final Exams



# Exam 1



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Sketch an MPI program for adding the elements of two vectors, **A** and **B** and storing the result in a vector **C**, of size **N**. Your code should include all key MPI API calls. Assume **P** processors, where **P** evenly divides **N**. The content of the input vectors is initially stored in MPI process 0. Vectors A and B are randomly generated with numbers from 1 to 10, both included. You can choose the value of **N** that you prefer.

At the end you must print vectors **A**, **B** and **C**.

Consider **A** and **B** only contain integer numbers.