Sheet #6: Array

1. Write a FORTRAN program that declares an array alpha of 50 components of type real. Initialize the array so that the first 25 components are equal to the square of the index variable, and the last 25 components are equal to three times the index variable. Output the array so that 10 elements per line are printed.

2. Write a FORTRAN program that returns the index of the first occurrence of the smallest element in the array.

3. Write a FORTRAN program that sorts an array values into ascending order.

4. Write a FORTRAN program that reads 5 numbers and then prints them in reverse order.

5. A car dealer has 4 salespersons. Each salesperson keeps track of the number of cars sold each month and reports it to the management at the end of the month.
   Write a FORTRAN program that stores the number of cars sold by each salesperson for the first 3 months, output the total numbers of cars sold at the end of each month for each salesperson, and output the salesperson name selling the maximum number cars.