New tool : vectors.

Problem : read #'s from stdin, & print
  them back in reverse order.
  e.g. if input was $\underline{37\ 9\ 1}$, output should be
                       1 9 7 3

int x;
int y, z;
  ⋮
No fixed # would suffice...

vectors
  — expandable container of variables.
  — all elements must have same datatype.

  — Say vector is V.   Then elements are numbered,
     starting at 0.

       V = | V[0] | V[1] | V[2] | V[3] | $\left(V.size() = 4 \right)$

       $\underline{int}\ v = V[0];$
                                    $sizeof(v) \equiv sizeof(int)$
       $sizeof(V) \neq V.size()$!!
        ↗