

Tutorial 7 - Programming Practice II

This tutorial is an exercise in writing C programs.

Write a function,
`void printv(int v[], int n)`, to print the
first `n` values in the array `v`. For example, the
function call

```
int a [3] = { 1, 6, 3 } ;  
...  
printv ( a, 3 ) ;
```

would print:

```
1  
6  
3
```

Write a C function,
`void vmax(int a[], int b[], int maxv[])`,
that takes three integer array arguments. The
function should compute and set the vector `maxv` to
the largest of the values from the two arrays.

For example, the statements

```
int a [3] = { 1, 2, 3 } , b [3] = { 3, 2, 1 } , c [3] ;  
...  
vmax(a, b, c) ;
```

would cause `c` to be set to the values 3, 2, 3.

Write a void `main(void)` function that declares
three 4-element integers arrays `a`, `b`, `c`, with the
first two vectors initialized to the values 1, 3, 6, 2
and 7, 2, 1, 7, calls the function `vmax()` to com-
pute a vector of the largest values in the two arrays,
and prints the result.