EECE.2160: ECE Application Programming
Spring 2016

Lecture 20: Key Questions
March 11, 2016

1. **Example:** Complete the following program:

```
#include <stdio.h>
#define NRows 3     // # of rows
#define NCols 4     // # of columns
int main() {
  double x[NRows][NCols] =         // 2-D array
          {  {  10,  2.5,    0,  1.5},
             {-2.3, -1.1, -0.2,    0},
             {10.5, -6.1, 23.4, -9.2} };

  int negCnt[NRows] = {0};    // Initialize entire row
                              // count array to 0
  int i, j;                   // Row and column indices

  /* INSERT CODE HERE--Visit every element in array x and
     count the number of negative values in each row */




  // Now print the row counts
  for (i = 0; i < NRows; i++)
    printf("Row %d has %d negative values.\n",
              i, negCnt[i]);

  return 0;
}
```

2. Explain how to pass arrays to functions.