**main()**

START

1. DEFINE constant for number of arrays, M
2. DEFINE constant for number of elements, N
3. INITIALIZE the number array, numArray[M][N]
4. FOR i = 0 to M – 1 by 1 do
   1. FOR j = 0 to N – 1 by 1 do
      1. PROMPTS and GETS current number to store in the array, numArray[i][j]
   2. ENDFOR
5. ENDFOR
6. CALL swap the numbers of the two arrays, swapNum(numArray)
7. CALL print the swapped arrays, printSwappedNum(numArray)

END

**swapNum(numArray[M][N])**

START

1. FOR i = 0 to N – 1 by 1 do
   1. SET the temporary value to be equal to the current element of the first array, temp = numArray[0][i]
   2. SET the current element of the first array to be equal to the current element of the second array, numArray[0][i] = numArray[1][i]
   3. SET the current element of the second array to be equal to the temporary value, numArray[1][i] = temp
2. ENDFOR

RETURN

**printSwappedNum(numArray[M][N])**

START

1. FOR i = 0 to M – 1 by 1 do
   1. DISPLAY the current array number, i+1
   2. DISPLAY “{“
   3. FOR j = 0 to N – 1 by 1 do
      1. CHECK value of j
      2. IF j != N – 1 THEN
         1. DISPLAY the current element of the current array, numArray[i][j]
         2. DISPLAY “, “
      3. ELSE
         1. DISPLAY the current element of the current array, numArray[i][j]
      4. ENDIF
   4. ENDFOR
   5. DISPLAY “}”
2. ENDFOR

RETURN