**Homework 4**

2. a. **unsigned** value [5] = {2, 4, 6, 8, 10};

b. **unsigned** **int** \*vPtr;

c. **for** (**int** index = 0; index < 5; index++){

cout <<"value [" << index << "]: " << value[index] << **endl**;

}

d. vPtr = value;

vPtr = &value[0];

e. **for** (**int** index = 0; index < 5; index++){

cout << "\*(value + " << index << "): " << \*(value+index) << **endl**;

}

f. **for** (**int** index = 0; index < 5; index++){

cout << "\*(vPtr + " << index << "): " << \*(vPtr+index) << **endl**;

}

g. **for** (**int** index = 0; index < 5; index++){

cout << "vPtr[" << index << "]: " << vPtr[index] << **endl**;

}

h. value[5];

\*(value + 5);

vPtr[5];

\*(vPtr + 5);

i. vPtr + 3 references to the 3rd elements of the array. vPtr + 3 = 6.

j. vPtr -= 4 references to the first element of the array. vPtr -= 4 = 2.

3. The program combines two strings into one string, which is string1 variable, and print out the

combine string.

4. The program gets to the last character index of the string, which is 4.