1. Consider the following array:

What is the value of the variable total after the following loops are executed?

- a. total = 0;
 for (int i = 0; i < 10; i++) { total = total + a[i]; }</pre>
- b. total = 0;
 for (int i = 0; i < 10; i = i + 2) { total = total + a[i]; }</pre>
- C. total = 0;
 for (int i = 1; i < 10; i *= 2) { total = total + a[i]; }</pre>
- d. total = 0;
 for (int i = 9; i > 0; i--) { total = total + a[i]; }
- e. total = 0;
 for (int i = 0; i < 10; i += 2) { total = total + a[i] a[i + 1]; }</pre>

2. Consider the following array initialization:

What are the contents of the array after the following loops are executed? Each problem starts with the original array initialization. Please write the values within braces as a comma-separated list.

- a. for (int i = 1; i < 10; i++) { a[i] = a[i 1]; }
- b. for (int i = 9; i > 0; i--) { a[i] = a[i 1]; }
- C. for (int i = 0; i < 9; i++) { a[i] = a[i + 1]; }
- d. for (int i = 1; i < 10; i++) { a[i] += a[i 1]; }
- e. for (int i = 1; i < 5; i++) { a[i] = a[9 i]; }