Assessment – 7

Copy the code below into your main function and complete it by following the instructions in the comments.

```
// PART 1
// given these variables...
string word = "Bleargh";
string *wp;

// 1) assign the pointer wp to point at word

// 2) using the pointer wp, change the value of word to "AckAckAck"

// 3) using the pointer wp, print the value of word

// PART 2
// given this array of numbers...
const int SIZE = 3;
int nums[SIZE];
int numCount = 0;

// ...where we have the user enter SIZE values one by one...
//  (notice how we keep numCount up to date so we know
//   how many values we have in the array)
for (int i = 0; i < SIZE; i++) {
  cout << "value: ";
  cin >> nums[numCount];
  numCount++;
}

// adding another user value would fail! no space left in the array!
// cout << "value: ";
// cin >> nums[numCount];
// numCount++;

// instead, use a pointer and dynamic allocation to:
// 1) make a new array that is twice the SIZE

// 2) copy the values from nums over into the new array

// 3) and THEN add another value from the user
cout << "and one more additional value: ";

// 4) print the new array
cout << "Behold, the new array: ";

cout << endl;
```

Final Output: