

CS150 L01: Variable Assignment - solution

1. $y = 3 + 2 + 1$ $y = y + 2$ At the end of this code, what value is assigned to Y?

- (A) 2
- (B) 6
- (C) 8
- (D) This code will cause an error
- (E) I don't know

Answer: C

At first, y is assigned the value 6. Then 2 is added to the value of y , and y is re-assigned the value 8.

2. $y = 3$ $x = 7$ $y = 3 + 2 + 1$ At the end of this code, what will the memory look like (using our simplified model)?

- (A) $y: 6$
- (B) $y: 3$ $x: 7$ $y: 6$
- (C) $y: 6$ $x: 7$
- (D) $y: 3$ $x: 7$
- (E) I don't know

Answer: C

At first, y is assigned the value 3. Then y is re-assigned the value 6. The value of x remains 7.