Exercise 1: Simple Programs

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1 Questions

Answer the following questions.

1. How many lines are printed by `printf("Hello,\nworld!\nBye,\nworld!")`?

    (a) 1
    (b) 2
    (c) 3
    (d) 4

    Answer: **4**

2. What is the output?

    ```
    a = 5; b = 10;
    a = b;
    b = a;
    printf ("a = %d, b = %d\n", a, b);
    ```

    Answer: **a = 10, b = 10**

3. What is the output? What does the code do?

    ```
    a = 5; b = 10;
    a = a+b;
    b = a-b;
    a = a-b;
    printf ("a = %d, b = %d\n", a, b);
    ```

    Answer: **a = 10, b = 5**

4. What is the output? What does the code do?

    ```
    a = 5; b = 10; c = 15;
    t = a;
    a = b;
    b = c;
    c = t;
    printf ("a = %d, b = %d, c = %d\n", a, b, c);
    ```