



3. Describe how the statement—the actual code to be executed if the condition is true—is written for an `if` statement.

4. Show how multiple `if` statements can be nested together (`if/else if/else`).

5. **Example:** What does the following code print?

```
int main() {
    int x = 3;
    int y = 7;

    if (x > 2)
        x = x - 2;
    else
        x = x + 2;

    if ((y % 2) == 1)
    {
        y = -x;
        if ((x != 0) && (y != -1))
            y = 0;
    }
    printf("x = %d, y = %d\n", x, y);
    return 0;
}
```