Code Tracing – Loops

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | **1** | **2** | **3** | **4** |
|   |  |  |  |  |  |  |  |  |
| **count = 1;** |   |   |   |   |   |   |   |   |
| **while (count <= 3) {** |   |   |   |   |   |   |   |   |
|  **pip.jump();** |   |   |   |   |   |   |   |   |
|  **count++;** |   |   |   |   |   |   |   |   |
| **}** |   |   |   |   |   |   |   |   |
| **pip.rest();** |   |   |   |   |   |   |   |   |

Code Tracing – Loops

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | **1** | **2** | **3** | **4** |
|   |  |  |  |  |  |  |  |  |
| **count = 0;** |   |   |   |   |   |   |   |   |
| **while (count < 3) {** |   |   |   |   |   |   |   |   |
|  **pip.jump();** |   |   |   |   |   |   |   |   |
|  **count++;** |   |   |   |   |   |   |   |   |
| **}** |   |   |   |   |   |   |   |   |
| **rest();** |   |   |   |   |   |   |   |   |

Code Tracing – Assignment statements

|  |  |  |  |
| --- | --- | --- | --- |
|  | ✓ | **a** | **b** |
| **a = 23;** |   |   |   |
| **b = 5** |   |   |   |
| **a = b;** |   |   |   |

Code Tracing – Assignment statements

|  |  |  |  |
| --- | --- | --- | --- |
|  | ✓ | **a** | **b** |
| **a = 4** |   |   |   |
| **b = 5** |   |   |   |
| **a = b;** |   |   |   |
| **b = a;** |  |  |  |

Code Tracing – Assignment statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ✓ | **a** | **b** | **c** |
| **int a = 7;** |   |   |   |  |
| **int b = 4;** |   |   |   |  |
| **int c = 9;** |   |   |   |  |
| **a = b;** |  |  |  |  |
| **c = a;** |  |  |  |  |
| **b = c;** |  |  |  |  |

Code Tracing – Selection (Homework)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ✓ | **a** | **b** | **out** |
| **int a = ;** |   |   |   |  |
| **int b = ;** |   |   |   |  |
| **if ( a < b)** |   |   |   |  |
|  **println(a);** |  |  |  |  |
| **else** |  |  |  |  |
|  **println(b);** |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ✓ | **a** | **b** | **out** |
| **int a = ;** |   |   |   |  |
| **int b = ;** |   |   |   |  |
| **if ( a < b)** |   |   |   |  |
|  **println(a);** |  |  |  |  |
| **else** |  |  |  |  |
|  **println(b);** |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ✓ | **a** | **b** | **out** |
| **int a = ;** |   |   |   |  |
| **int b = ;** |   |   |   |  |
| **if ( a < b)** |   |   |   |  |
|  **println(a);** |  |  |  |  |
| **else** |  |  |  |  |
|  **println(b);** |  |  |  |  |