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);** |  |  |  |  |