Tracing practice

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| --- | --- |
|  | **public class Quiz5b {** |
|  | **public static void main (String[] args) {** |
|  | **int[] myArray = new int[10];** |
|  | **int[] b;** |
|  | **int index1 = 0, index2 =0;** |
|  | **index1 = 1;** |
|  | **b = myArray;** |
|  | **while (index1 < 6){** |
|  | **myArray[index1] = index1 + 4;** |
|  | **index2 = 1;** |
|  | **while (index2 < index1 ){** |
|  | **myArray[index1]=b[index1]+myArray[index2]-index1;** |
|  | **index2 = index2 + 1;** |
|  | **}** |
|  | **System.out.println(myArray[index1]);** |
|  | **index1 = index1 + 1;** |
|  | **}** |
|  | **}** |
|  | **}** |

Following parts:

Output

|  |
| --- |
| **5** |
| **9** |
| **15** |
| **25** |
| **43** |

* will not be available in exams.
* will vary based on the question
* will need to be hand-drawn during exams.

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| Mohakhali | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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| --- | --- | --- | --- |
| Trace Table (part 2 of 2) | | | |
| int[]  myArray | int[]  b | int  index1 | int  index2 |
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|  |  |  |  |

**public class Human {**

Output

|  |
| --- |
| **21** |
| **5.5** |
| **2.5** |
| **22** |
| **22** |
| **5.5** |
| **23** |
| **6.5** |
| **24** |
| **6.5** |
|  |
|  |
|  |

**public int age;**

**public double height;**

**}**

**public class HumanTester {**

**public static void main (String[] args) {**

**Human h1 = new Human();**

**Human h2 = new Human();**

**h1.age = 21;**

**h1.height = 5.5;**

**System.out.println(h1.age);**

**System.out.println(h1.height);**

**h2.height = h1.height - 3;**

**System.out.println(h2.height);**

**h2.age = h1.age++;**

**System.out.println(h1.age);**

**h2 = h1;**

**System.out.println(h2.age);**

**System.out.println(h2.height);**

**h2.age++;**

**h2.height++;**

**System.out.println(h1.age);**

**System.out.println(h1.height);**

**h1.age = ++h2.age;**

**System.out.println(h2.age);**

**System.out.println(h2.height);**

**}**

**}**

Purbachal

|  |  |
| --- | --- |
| int age | double height |
| 0 | 0.0 |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Mohakhali

|  |  |
| --- | --- |
| int age | double height |
| 0 | 0.0 |
|  |  |
|  |  |
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| --- | --- |
| **Trace Table**  **(part 3 of 3)** | |
| **Human h1** | **Human h2** |
|  |  |
|  |  |
|  |  |