### **Program 1:**

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| --- | --- | --- |
| Input | Processing | Output |
| Student's heights in inches | Processing items: none  Algorithm:  1. for (i = 0; i < 10; i++)  2. input student height, store it in an array  3. add input to total  4. endfor  5. output total / 10 | Avg height of students |

### **Program 2:**

|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| Student's heights in inches | Processing items: none  Algorithm:  1. for (i = 0; i < 10; i++)  2. input student height, store it in an array  3. if input < lowest then lowest = input  4. endfor  5. output the lowest height | Height of shortest student |

### **Program 3:**

|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| Student's heights in inches | Processing items: none  Algorithm:  1. for (i = 0; i < 10; i++)  2. input student height, store it in an array  3. multiply input by .05 and add to original and store in another array  4. endfor  5. output the results of both arrays | Current heights and expected new heights |