### **Program 1:**

|  |  |  |
| --- | --- | --- |
| 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 is > 60 then increment the over60 counter  4. endfor  5. output the number stored in the over60 counter | Number of students over 60" tall |

### **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 is > 60 then increment the over60 counter  4. else if input is < 55 increment the under55 counter  4. endfor  5. output the numbers stored in the over60 and under55 counters | Number of students over 60" tall and number of students under 55" tall |

### **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. endfor  4. output "Heights of students taller than 60 inches: "  5. for (i = 0; i < 10; i++)  5. if (students[i] > 60) then output students[i] and increment the over60 counter  6. endfor  7. output number stored in the over60 counter |  |