### **Program 1:**

|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| none | Processing items: none  Algorithm:  1. for (i = 0; i < 10; i++)  2. output i  3. endfor | 0-9 |

### **Program 2:**

|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| Student scores | Processing items: none  Algorithm:  1. for (i = 0; i < 10; i++)  2. user enters a score, added to totalScore  3. endfor  4. average score (totalScore / 10) is displayed | The average score |

### **Program 3:**

|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| Number of customers  Customers orders | Processing items: none  Algorithm:  1. user enters number of customers  2. for (i = 0; i < # of customers; i++)  3. user enters orders for each customer (a,b,c)  3.5 increment a, b, or c  4. endfor  5. display a, b, and c  6. display total price (a \* 6.00) + (b \* 6.25) + (c \* 5.75) | Number of each combo ordered and the total price |

### **Program 4:**

|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| Team scores per quarter | Processing items: none  Algorithm:  1. for (i = 1; i <= 4; i++)  2. user enters scores for quarter (i)  2.5 scores added to a or b  3. endfor  4. display the final scores (a & b)  5. if (a == b) output tie  6. else  7. if (a > b) output a won  8. else output b won  9. endif  10. endif | The final scores for each team  Which team won |