**Selection Example Trace Table**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
|  | **score1** | **score2** | **score3** | **lowest** | **average** | **grade** |
| ***Instructions*** | **?** | **?** | **?** | **?** | **?** | **?** |
| **Input** |  |  |  |  |  |  |
| **lowest = score1** |  |  |  |  |  |  |
| **if (score2 < lowest) lowest = score2** |  |  |  |  |  |  |
| **if (score3 < lowest) lowest = score3** |  |  |  |  |  |  |
| **average = (score1 + …. - lowest) / 2** |  |  |  |  |  |  |
| **grade = 'F'** |  |  |  |  |  |  |
| **if (average >= 50) grade = 'D'** |  |  |  |  |  |  |
| **if (average >= 65) grade = 'C'** |  |  |  |  |  |  |
| **if (average >= 80) grade = 'B'** |  |  |  |  |  |  |
| **if (average >= 90) grade = 'A'** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |