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- **Step 1: Problem Analysis.** (15 pts)
  1. Know base math knowledge.
  2. Clearly understand the details of the problems step by step.
  3. Know how to check positive integer.
  4. Know the total weight is 1.
- **Step 2: Program Design.** (50 pts) First draw a picture of how each function will

See the pictures I submitted.

- **Step 4: Program Testing.** (25 pts)
  1. Try to input the negative number in initial input.
  2. Try to input the float number in initial input.
  3. Try to input all the weights, but the sum of the weights is not equal to 1.
  4. Try to input float number in get\_scores.
  5. Try to input the Max score is smaller than the get\_scores.

#### **Error Handling (10 pts):**

See the pictures I submitted.



