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EECE.3220 Spring 2017: Exam 1
Class and Structure Definitions
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Class definition for Question 1

```
class E1Class {
  public:
    E1Class();
    E1Class(int v1, int v2, double v3);
    void setInts(int v1, int v2);
    void setDouble(double v3);
    void readVars(int &ref1, int &ref2, int &ref3);
    void printVars();
private:
    int var1, var2;
    double var3;
};
```

Structure definitions for Question 4

Guidelines for working with these structures:

- Within each Exam, the max field in all Question structures must add to 100.
  - For example, you could have qlist[0].max = 20, qlist[1].max
    = 30, qlist[2].max = 15, and qlist[3].max = 35.
- If you have Exam structures representing different students' scores on the same test, then the max fields in corresponding elements of qlist will match.
  - For example, if two Exam structures e1 and e2 represent two student scores on the same test, qlist[0].max will be the same in both e1 and e2, even though qlist[0].score might differ in those structures (since the two students could have different scores on the same question).

## Structure definitions for Question 4 (continued)

Graphical representation of possible "elist" array passed to each function



Notes:

- Each entry in elist is a single Exam structure.
- Each Exam structure contains a string (name) and array of Question structures (qlist).
- Each Question structure contains two integers: the highest possible score on that question (max) and the student's actual score (score).
- Note that, for every element in the elist[] array, the max score for each corresponding question will be the same. In other words, the max field in qlist[0] is the same in elist[0], elist[1], and so on.