**2012 Question 1: Climb Info (9 points)**

| Total Scored out of 9 |  |
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**Part A: addClimb (append) (2 points)**

Intent: Create new ClimbInfo using data from parameters and append to climbList

+1 Creates new ClimbInfo object using parametric data correctly

+1 Appends the created object to climbList

(no bounds error and no destruction of existing data)

(point not awarded if inserted more than once)

**Part B: addClimb (alphabetical) (6 points)**

Intent: Create new ClimbInfo object using data from parameters and insert into climbList,

maintaining alphabetical order

+1 Creates new ClimbInfo object(s), using parametric data correctly

+1 Compares peakName value With value retrieved from object in list (must use getName)

+1 Inserts object into list based on a comparison (other than equality) with object in list

(point not awarded if inserted more than once)

+1 Compares parametric data with all appropriate entries in climbList (no bounds error)

+1 Inserts new ClimbInfo object into climbList (no destruction of existing data)

+1 Inserts new ClimbInfo object into climbList once and only once In maintaining alphabetical order (no destruction of existing data)

**Part C: analysis (1 point)**

Intent: Intent: Analyze behavioral differences between append and alphabetical versions of addClimb

+1 (i)N0 (ii) YES Both must be answered correctly

**Question-Specific Penalties**

-1 (z) Attempts to return a value from addClimb