

Mr. Neat's  
Hints on AP Computer Science Free Response Questions  
**Good Luck!!**

General:

- 1) Read the whole question first.
- 2) For each part, determine whether you are asked to write:
  - a. a method for a class, or
  - b. a “client” method that uses a class, or
  - c. define a new class altogether (design question).
- 3) If the problem says you may use a method written in a previous section, DO IT.
- 4) Look at what the return value is for the method.
- 5) After completing your method, reread the post condition and make sure the method does what it is supposed to do.
- 6) If you have extra time (ha), try an example with your code and make sure it works (you are “running” the program with a sample input).

If you are completely lost.....

- 7) Run through the provided example many times.
- 8) If pseudo code is provided, run through an example using the pseudo code.
- 9) If still lost, translate the pseudo code into java statements. (variable declarations and proper return statements are usually worth a point a piece!).
- 10) Revisit the method’s post condition for pseudo code.

My Guess on the Questions:

Note: There will be at least one “design” question on the test. This will be like, write a class that does “blah”. You are experts at this. Your “gucci” class lab is an example of such a question.

1dimensional array, 2 dimensional array or ArrayList Question

- Similar to making an ArrayList <CD> for the CDSRUS assignment.

String Question

- Will require you to use the String methods (indexOf, subString,.....)
- Your booklet will have all the String methods listed.
- You are experts at this.

Inheritance (or Interface)

- Will have to write methods or constructors for a class that extends another class.
- You might be given a picture of the “family” tree.
- Inherit – extends, interface - implements
- Remember abstract variables can be assigned to concrete objects (more general on the lefthand side of the equals sign).

Grid Question

- This question will be like one of the labs and/or homework (JumperBug, CourageCritic,...)
- You need to figure out if you are extending Bug, Critter,....