Experience Survey

This is a preview of the draft version of the quiz

Started: Jan 6 at 9:03am

Quiz Instructions

Please answer to the best of your ability. You will receive exercise credit for completing the quiz, and your answers are only for my familiarity with your skills.

Question 1 1 pts

Please choose all mathematical concepts with which you feel comfortable at this time. [Please do not choose by preference: Tell me what you *could* do, not what would you like to do.]

("Comfortable" meaning you are experienced with it either through your work or through classes, and don't believe you would have much difficulty if it were used in a new course)

- [ ] Fractions
- [ ] Algebra
- [ ] Geometry
- [ ] Summation / Sigma notation
- [ ] Trigonometry (sine, cosine, tangent)
- [ ] Differential calculus
- [ ] Integral calculus

Question 2 1 pts

Please choose all educational techniques with which you feel comfortable at this time. [Please do not choose by preference: Tell me what you *could* do, not what would you like to do.]

("Comfortable" meaning you are experienced with it either through your work or through classes, and don't believe you would have much difficulty if it were used in a new course)

- [ ] Mathematical formulas
- [ ] Story / Word problems
- [ ] Labs (in-class completion)
- [ ] Labs (with after-class completion)
- [ ] Surveys
- [ ] Multiple-choice Quizzes / Exams
- [ ] Lab-style Quizzes / Exams (demonstrate a skill)
- [ ] Homework up to 1 hour every night
- [ ] Homework up to 2 hours every night

Question 3 1 pts

Please choose all personal computer techniques with which you feel comfortable at this time. [Please do not choose by preference: Tell me what you *could* do, not what would you like to do.]

("Comfortable" meaning you are experienced with it either through your work or through classes, and don't believe you would have much difficulty if it were used in a new course)

- [ ] Use a Web browser
- [ ] Use a word processing program such as Word, Notepad, Apple Pages
- [ ] Use formulas in Excel or other spreadsheet program
- [ ] Create a ZIP file containing multiple other files
- [ ] Use keyboard shortcuts for copy, cut, paste, select all, and save
- [ ] Take a screenshot without a camera
- [ ] Download a file from the Web and rename it

Question 4 1 pts

Please choose all programming with which you feel comfortable at this time. [Please do not choose by preference: Tell me what you *could* do, not what would you like to do.]

("Comfortable" meaning you are experienced with it either through your work or through classes, and don't believe you would have much difficulty if it were used in a new course)

- [ ] HTML or other markup language
- [ ] Javascript or other client-side scripting
- [ ] Visual Basic
- [ ] Python
- [ ] PERL
- [ ] Java (not Javascript)
- [ ] C / C++ / C#
- [ ] SQL
- [ ] FORTRAN
- [ ] COBOL
- [ ] Ada
- [ ] One or more other programming language(s)

Question 5 1 pts

How long has it been since you completed a course (including grade school, middle school, high school, military, or college) that was intended to teach you computer programming in a language other than HTML?

(Please do not include HTML when considering previous courses - only those that were intended to teach a programming language, not a markup language.)

- ○ I have never before been in such a course
- ○ I was in but did not complete such a course
- ○ I completed the last such course less than a year ago.
- ○ I completed the last such course between 1 and 5 years ago.
- ○ I completed the last such course over 5 years ago.

Question 6 1 pts

What do you feel is your knowledge level regarding "algorithms"?

- ○ I have no idea what an "algorithm" is.
- ○ I believe I know what an algorithm is but would find it difficult to put into words.
- ○ I know what an algorithm is and could give a rough definition, but don't believe I could create one.
- ○ I know what an algorithm is and could create one for everyday problems
- ○ I know what an algorithm is and could create one for a computer problem.

Question 7 1 pts

Considering only the FIRST course you took which intended to teach you computer programming:

What do you think of the approach that was used in that course for creating an algorithm?

[Common methods are: using flow charts; breaking out pieces of the problem; summarizing the tasks. You may have seen or used others - this list is not all-inclusive.]

- ○ I had no such course, so I cannot provide an opinion
- ○ I'm not sure there was any approach to creating an algorithm.
- ○ The approach that was used was not very useful; and it was challenging or tedious
- ○ The approach that was used was not very useful; but it was relatively simple
- ○ The approach that was used was useful but it was also tedious or challenging
- ○ The approach that was used was helpful and relatively simple.