writing your own quiz

- modify "quiz.html"
  - change the "form" line to refer to your quiz files, instead of the wmst201quiz files
  - write your own questions
- modify "quiz_results.html" - we'll get to how shortly

modifying quiz.html

```html
<tr>
  <td align="top" height="25">1. </td>
  <td colspan="4" height="25">What is HTML? </td>
</tr>
```

...and the answers

HyperText Markup Language

wmst201quiz_result.html

- the head of the HTML document contains a function, called `handleQuestion`
- for each question, `handleQuestion`
  - calculates the quiz result
  - displays the result

modifying quiz_result.html is easy...

```javascript
var answers = new Array("(unanswered)");
var score = 0, correct = 0;

for (var i = 1; i <= 3; i++) {
  correct = 4;
  answers = ["Word", "Excel", "PowerPoint", "Firefox"];
  score += handleQuestion(3, "What do you use to browse an HTML file", correct, answers);
}
```

the `handleQuestion` function:

- collects the data pertaining to the question
- writes out the HTML code for the question
- returns 1 if answer is correct, 0 otherwise

Question 1:

What is HTML?
The correct answer is HyperText Markup Language
You answered: HyperText Markup Language
**The `handleQuestion` function**

**Data needed:**
- the question number
- the question
- the number of the correct answer
- all of the possible answers (numbered 1...4)

**Parameters to the function:**
- the question number
- the question
- the number of the correct answer
- all of the possible answers (numbered 1...4)

**Part of extended URL (web address):**
- the number of the respondent’s answer

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**`handleQuestion` function:**

Can you find the following things in the `handleQuestion` function?
- parameters passed to `handleQuestion`
- variables, variable declaration statement
- strings (in quotes)
- assignment statements
- if (control flow) statement

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**Data used by `handleQuestion`**

**Parameters to the function:**
- the question number: `number`
- the text of the question: `text`
- the number of the correct answer: `correctAnswerNumber`
- the answers: `answers`

**Part of extended URL (web address):**
- the number of the respondent’s answer: `userAnswerNumber`

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**Other data used in `handleQuestion` function:**

- a score: `questionScore`
- `i, j`: used to help get the user’s answer from the URL (we will ignore the details for now)

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**Grand challenges!**

Design code for a quiz in which ...

- the user can select at most one answer per question, but more than one may be correct

Or:
- zero or more answers per question may be correct and the user must select all correct answers

Or:
- each answer is worth between 1 and 4 points and the feedback to the user depends on the total score