

Programming Exercise 9.1

Three-Question Quiz, v.3.0

Purpose. Learn how to apply the `boolean` data type, by modifying an existing program.

Requirements. Rewrite Exercise 8.5's `ThreeQuestions2.java` program, naming the new program `ThreeQuestions3.java`. Modify it so that the function that you wrote in `ThreeQuestions2.java` returns a `boolean` value, and use it in `main` to count the number of correct answers. For example, do something like this:

```
int correct = 0;
if (askQuestion("1st US president", "Washington")) correct++;
if (askQuestion("2nd US president", "Adams")) correct++;
...
System.out.println("#of correct answers: " + correct);
```

Program I/O. This should work exactly like v.2.0 from Exercise 8.5, except that the output should also include the number of correct answers and the total number of questions.

Examples. Here's what the output should look like, with user input in `blue`:

1. Who invented computers? `Bill Gates`
Incorrect!
2. When were computers invented: `1999`
Incorrect!
3. How many computer languages are there? `Lots`
Correct!

That's 1 correct out of 3 questions asked.