information-fyi

You will have 30 to 60 seconds to answer each question on the next four pages. Each page states the time.
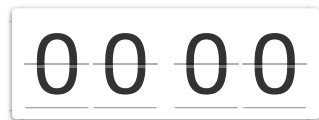
really-2

00

Which of these websites do you most frequently use as aid when programming?

○ Wikipedia
○ LinkedIn
○ Stack Overflow
○ MemoryAlpha
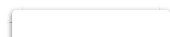○ I haven't used any of the websites above for programming
○ I don't program

really-3

0 0 0 0

Choose the answer that best fits the description of a compiler's function.

○ Connecting to the network
○ Aggregating user data
○ Collecting user data
○ Refactoring code
○ Translating code into executable instructions
○ I don't know

really-4

Choose the answer that best fits the definition of a recursive function.

- ○ A function that runs for an infinite time
- ○ A function that can be called from other functions
- ○ A function that calls itself
- ○ A function that does not require any inputs
- ○ A function that does not have a return value
- ○ I don't know

really-6

Which of these values would be the most fitting for a Boolean?

- ○ Red
- ○ Small
- ○ True
- ○ Solid
- ○ Quadratic
- ○ I don't know

information-fyi

The remaining questions are not timed.

really-15

Please answer the next question, given the following pseudocode algorithm:

```
main{
 print(func("hello world"))
```

```
}

String func(String in){
 int x = len(in)
 String out = ""
 for(int i = x-1; i>=0; i--){
  out.append(in[i])
 }
 return out
}
```

What is the parameter of the function?

○ String in

○ int x=len(in)

○ Outputting a String

○ int i = x-1; i>=0; i--

○ String out

○ I don't know

programming

On a scale from 1 to 10, how do you estimate your programming experience?

Very inexperienced

0 ○   1 ○   2 ○   3 ○   4 ○   5 ○   6 ○   7 ○   8 ○   9 ○   10 ○ Very experienced

Please rate the following statements.

	Very inexperienced	Inexperienced	Unsure	Experienced	Very experienced
How do you estimate your programming experience compared to experts with 20 years of practical experience?	○	○	○	○	○
How do you estimate your programming experience compared to your classmates or teammates?	○	○	○	○	○

How experienced are you with the following languages?

	Very inexperienced	Inexperienced	Unsure	Experienced	Very experienced
Haskell	○	○	○	○	○
Java	○	○	○	○	○
C	○	○	○	○	○
Prolog	○	○	○	○	○

How many additional languages do you know (medium experience or better)? (Numbers only)

[   ]

How experienced are you with the following programming paradigms?

	Very inexperienced	Inexperienced	Unsure	Experienced	Very experienced
Logical	○	○	○	○	○
Object-oriented	○	○	○	○	○
Imperative	○	○	○	○	○
Functional	○	○	○	○	○

For how many years have you been programming? (Numbers only)

[   ]

For how many years have you been programming for larger software projects, e.g., in a company? (Numbers only)

[   ]

What year did you enroll at university? (Numbers only)

[   ]

How many courses did you take in which you had to implement source code? (Numbers only)

[   ]

How large were the professional projects typically?

○ <900 lines of code

○ 900 - 40,000 lines of code

○ >40,0000 lines of code

○ Not applicable

Please indicate the level of your agreement or disagreement with the following.

	Strongly disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Strongly agree
When online companies ask me for personal information, I sometimes think twice before providing it.	○	○	○	○	○	○	○
Companies seeking information online should disclose the way the data are collected, processed, and used.	○	○	○	○	○	○	○
It is very important to me that I am aware and knowledgeable about how my personal information will be used.	○	○	○	○	○	○	○
I believe that online privacy is invaded when control is lost or unwillingly reduced as a result of a marketing transaction.	○	○	○	○	○	○	○
It bothers me to give personal information to so many online companies.	○	○	○	○	○	○	○
Consumer online privacy is really a matter of consumers' right to exercise control and autonomy over decisions about how their information is collected, used, and shared.	○	○	○	○	○	○	○
A good consumer online privacy policy should have a clear and conspicuous disclosure.	○	○	○	○	○	○	○
I'm concerned that online companies are collecting too much personal information about me.	○	○	○	○	○	○	○
It usually bothers me when online companies ask me for personal information.	○	○	○	○	○	○	○
Consumer control of personal information lies at the heart of consumer privacy.	○	○	○	○	○	○	○

sebis

How often do you do the following activities?

	Never	Rarely	Sometimes	Often	Always
When browsing websites, I mouseover links to see where they go, before clicking them.	○	○	○	○	○
When I'm prompted about a software update, I install it right away.	○	○	○	○	○
I try to make sure that the programs I use are up-to-date.	○	○	○	○	○
I do not include special characters in my password if it's not required.	○	○	○	○	○
I set my computer screen to automatically lock if I don't use it for a prolonged period of time.	○	○	○	○	○
I submit information to websites without first verifying that it will be sent securely (e.g., SSL, "https://", a lock icon)	○	○	○	○	○
When someone sends me a link, I open it without first verifying where it goes.	○	○	○	○	○
If I discover a security problem, I continue what I was doing because I assume someone else will fix it.	○	○	○	○	○
I manually lock my computer screen when I step away from it.	○	○	○	○	○
I use a password/passcode to unlock my laptop or tablet.	○	○	○	○	○
I verify that my anti-virus software has been regularly updating itself.	○	○	○	○	○

	I know what website I'm visiting based on its look and feel, rather than by looking at the URL bar.	○	○	○	○	○

I know what website I'm visiting based on its look and feel, rather than by looking at the URL bar.   ○ ○ ○ ○ ○

When I create a new online account, I try to use a password that goes beyond the site's minimum requirements.   ○ ○ ○ ○ ○

Paying attention to the questions in this questionnaire is important. I agree by choosing the fourth option of the scale.   ○ ○ ○ ○ ○

I use different passwords for different accounts that I have.   ○ ○ ○ ○ ○

I do not change my passwords, unless I have to.   ○ ○ ○ ○ ○

I use a PIN or passcode to unlock my mobile phone.   ○ ○ ○ ○ ○

secdev

Please rate your level of confidence in completing the **software development tasks** given below.

	I am not confident at all	I am slightly confident	I am somewhat confident	I am moderately confident	I am absolutely confident
I can mimic potential threats to the system	○	○	○	○	○
I can evaluate security controls on the system's interfaces/interactions with other software systems	○	○	○	○	○
I know the appropriate point of contact/response team in my organization to contact if a vulnerability in production code is identified	○	○	○	○	○
I can identify common vulnerabilities of a programming language	○	○	○	○	○
I can identify the common attack techniques used by attackers	○	○	○	○	○
I can communicate system details with other developers to ensure a thorough security review of the code	○	○	○	○	○
I can identify potential security threats to the system	○	○	○	○	○
I can design software to quarantine an attacker if a vulnerability is exploited	○	○	○	○	○
I can perform a threat risk analysis (e.g., likelihood of vulnerability, impact of exploitation, etc.)	○	○	○	○	○
I can evaluate security controls on the system's interfaces/interactions with hardware systems	○	○	○	○	○
I can effectively communicate to company leadership identified security issues and the cost/risk trade-off associated with deciding whether or not to fix the problem	○	○	○	○	○
I can communicate security assumptions and requirements to other developers on the team to ensure vulnerabilities are not introduced due to misunderstandings	○	○	○	○	○
I can communicate functionality needs to security experts to get recommendations for secure solutions (e.g., secure libraries, languages, design patterns, and platforms)	○	○	○	○	○
I can identify potential attack vectors in the environment the system interacts with (e.g., hardware, libraries, etc.)	○	○	○	○	○
I'm paying attention to the questions in this questionnaire. I confirm this by choosing "I am slightly confident".	○	○	○	○	○
I can discuss lessons learned from internal and external security incidents to ensure all development team members are aware of potential threats	○	○	○	○	○

post demographics

What type of employment best describes your most recent software development experience?

○ Unemployed

○ Furloughed (temporarily laid off) or on leave

○ Retired

○ Full time employee (or contractor equivalent)

○ Freelance/consultant

○ Part-time employee (or contractor equivalent)

○ Student

○ [＿＿＿＿＿＿] Other (please specify)

Please select the statement that best describes your primary role at your most recent job.

○ I'm not employed

○ Jobs NOT related to computer science, informatics, computer engineering, or related fields

○ Managing software development (e.g. project manager, IT manager, scrum master)

○ Privacy and/or security engineering (e.g. security engineer, privacy engineer, penetration tester, ethical hacker, cryptographer)

○ Designing products (e.g. UI designer, interaction designer)

○ Testing software (e.g. tester, quality analyst, automation engineer)

○ Developing software (e.g. programmer, developer, web developer, software engineer)

○ [＿＿＿＿＿＿] Other (please specify)

Are you a student in computer science, informatics, computer engineering, or related fields?

○ Yes

○ No

How many years of experience do you have in software development? (Numbers only)

[＿＿＿＿＿＿＿＿＿＿]

Where did you mainly learn to program and develop software?

☐ Online courses

☐ Self-taught

☐ Industry or on-the-job training

☐ High school courses

☐ College or university courses

☐ [_____] Other (please specify)

How many people were employed in the organisation for which you worked on the software development most recently?

○ 1-9 employees

○ 10-99 employees

○ 100-999 employees

○ 1,000-9,999 employees

○ 10,000 or more employees

How many members were in the team that you have directly worked with most recently? (Numbers only)

[_____]

How many years old are you? (Numbers only)

[_____]

In which country do you currently reside?

[_____ ▲▼]

If you can't find your country in the above question options, please enter it here.

[_____]

What is your gender?

○ Prefer not to say

○ Non-binary

○ Male

○ Female

○ [_____] Prefer to self describe