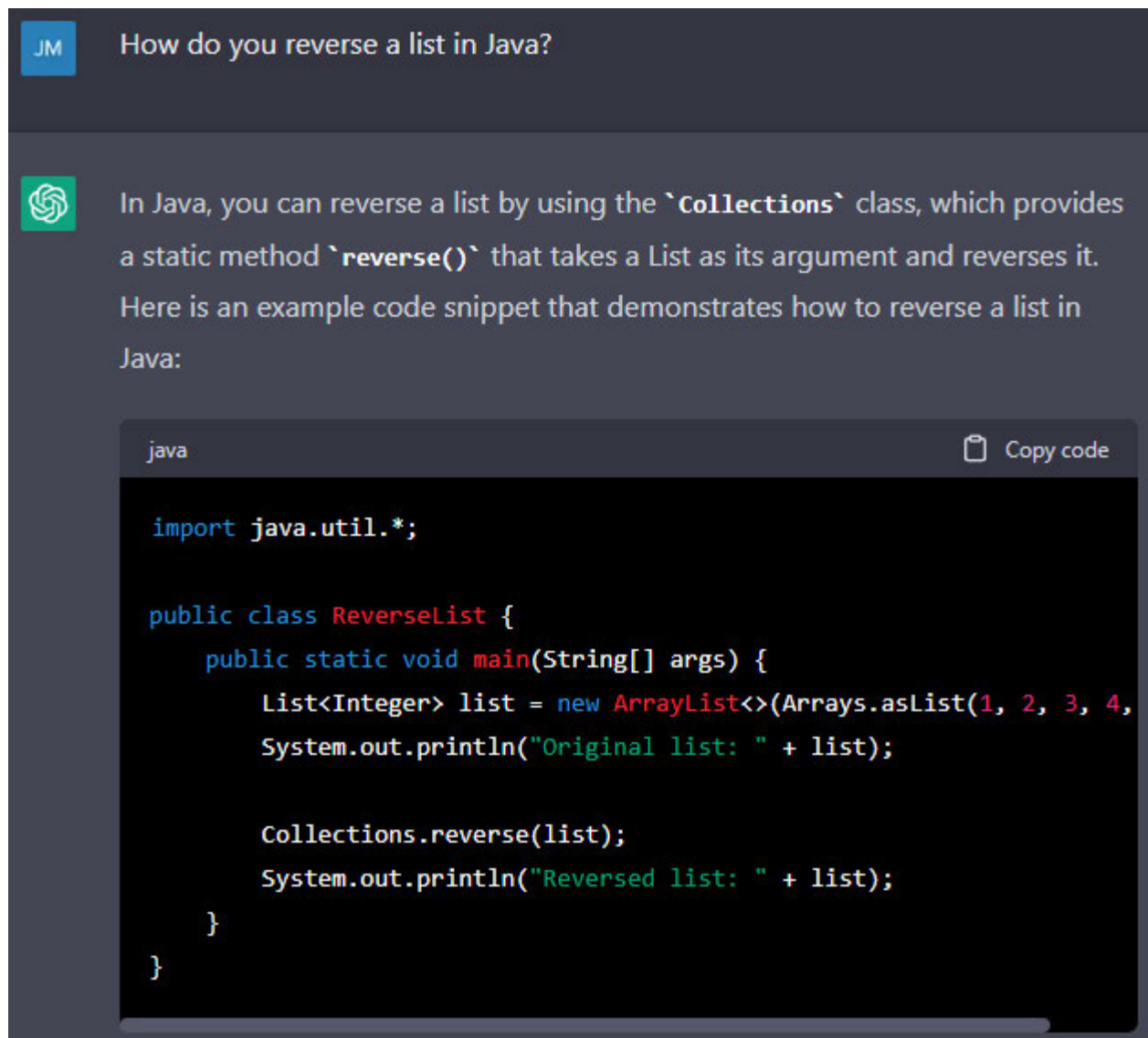# About This Survey

In this survey, we will be asking questions both related to how people use various external resources while programming, such as the Internet and **AI Code Generation Tools.**

If you are not familiar, AI Code Generation tools are advanced pieces of software, some freely accessible, that use Artificial Intelligence tools to do things such as automatically complete code, and even answer programming questions.

For example, here is a screenshot of ChatGPT, one of these AI models, answering a question.

Please indicate your familiarity with the following websites and tools for the purposes of programming.

| | Have not heard of before now | Have heard of, but never used | Use rarely | Use frequently | Use almost always |
|---|---|---|---|---|---|
| Search Engines (e.g. Google) | ○ | ○ | ○ | ○ | ○ |
| StackOverflow | ○ | ○ | ○ | ○ | ○ |
| Geeks4Geeks | ○ | ○ | ○ | ○ | ○ |
| JavaTPoint | ○ | ○ | ○ | ○ | ○ |
| GitHub Copilot | ○ | ○ | ○ | ○ | ○ |
| ChatGPT | ○ | ○ | ○ | ○ | ○ |
| Bing AI Chat | ○ | ○ | ○ | ○ | ○ |
| Google Bard | ○ | ○ | ○ | ○ | ○ |

What class are you currently in?

○ ████████

○ ████████

○ ████████

○ Something else (please specify) [_____]

**SCENARIO**

# Context

The following 2 scenarios take place in an introductory CS class. In this class, in addition to homework and exams, there is a multi-week programming project assigned near the end of the course. The project aims to evaluate the competency of what the student learned over the semester.

The project was assigned 4 weeks before the deadline, and it was assumed that the students would be working continuously on that project over that timespan since it was released.

LONG_PLANNING

# Nedra's Scenario

Nedra has been working on her programming assignment. However, she does not know how to start. She has read the assignments and understands what needs to be done, but does not know how to begin writing code to do so. She has not written any code yet.

There is two weeks left before the project is due. Securing time with a TA or Instructor is difficult, and sometimes they are unhelpful, so Nedra does not seek help from the course staff.

She turns to digital resources outside class for help, and eventually comes across a code snippet that he thinks might help her start. She begins integrating it into her assignment, making small changes to it in order to make it fit her program.

# Consider
Consider the cases where Nedra got her code from:

1. An online repository of snippets and components (e.g. StackOverflow, GitHub, Geeks4Geeks)
2. An AI tool (e.g. GitHub Copilot, ChatGPT)

**How likely is that while attending your institution, you will do what Nedra did as described in the scenario?**

I may do what Nedra did in the future.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

## If you, while attending your institution, were in a situation similar to Nedra's, what would you think about doing what she did?

---

For me, at my institution, doing what Nedra did would be foolish in a similar situation.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

For me, at my institution, doing what Nedra did would be justified in a similar situation.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

When doing what Nedra did in a similar situation at my institution, the benefits would outweigh the downside.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**If you were in a similar situation to Nedra and did what she did, what impact would that have on the quality of your code?**

It would improve the quality of my code.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

After doing this, I would feel less confident about the quality of my code.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

It would improve my grade on this type of assignment.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Imagine you were in a similar situation to Nedra and did what she did. In the long run, how might that affect how long you work on the assignment?**

It would save me time in the long run.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

I would end up wasting time integrating and debugging the copied code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**What would other people say if they learned while working at your institution, you had done what Nedra did in this scenario?**

Most of my friends would think it's ok.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Most of my peers at my institution would disapprove.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Do you think that while working at your institution, you would be able to do what Nedra did in the scenario?**

Personally, I could easily do what Nedra did if I wanted to.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

There is nothing outside of my control which could prevent me from doing what Nedra did.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Briefly explain why you responded the way you did for the given scenario.

LONG_PROGRAMMING

# Maebh's Scenario

Maebh has been working on her programming assignment. She has already started programming, however, she has realized that she does not understand how to code a certain part of the project.

There are two weeks left before the assignment is due. Securing time with a TA or Instructor is difficult, and sometimes they are unhelpful, so Maebh does not seek help from the course staff.

She turns to digital resources outside class for help, and eventually comes across a code snippet that might help her continue. She begins integrating it into her assignment, making small changes to it in order to make it fit her program.

# Consider

Consider the cases where Maebh got her code from:

1. An online repository of snippets and components (e.g. StackOverflow, GitHub, Geeks4Geeks)
2. An AI tool (e.g. GitHub Copilot, ChatGPT)

**How likely is that while attending your institution, you will do what Maebh did as described in the scenario?**

I may do what Maebh did in the future.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**If you, while attending your institution, were in a situation similar to Maebh's, what would you think about doing what she did?**

For me, at my institution, doing what Maebh did would be foolish in a similar situation.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

For me, at my institution, doing what Maebh did would be justified in a similar situation.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

When doing what Maebh did in a similar situation at my institution, the benefits would outweigh the downside.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**If you were in a similar situation to Maebh and did what she did, what impact would that have on the quality of your code?**

It would improve the quality of my code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

After doing this, I would feel less confident about the quality of my code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | O | O | O | O | O | O | O |
| With an AI Tool | O | O | O | O | O | O | O |

It would improve my grade on this type of assignment.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | O | O | O | O | O | O | O |
| With an AI Tool | O | O | O | O | O | O | O |

**Imagine you were in a similar situation to Maebh and did what she did. In the long run, how might that affect how long you work on the assignment?**

It would save me time in the long run.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | O | O | O | O | O | O | O |
| With an AI Tool | O | O | O | O | O | O | O |

I would end up wasting time integrating and debugging the copied code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | O | O | O | O | O | O | O |
| With an AI Tool | O | O | O | O | O | O | O |

**What would other people say if they learned while working at your institution, you had done what Maebh did in this scenario?**

Most of my friends would think it's ok.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Most of my peers at my institution would disapprove.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Do you think that while working at your institution, you would be able to do what Maebh did in the scenario?**

Personally, I could easily do what Maebh did if I wanted to.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

There is nothing outside of my control which could prevent me from doing what Maebh did.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Briefly explain why you responded the way you did for the given scenario.

LONG_DEBUGGING

# Clair's Scenario

Clair has been working on their programming assignment. However, they are stuck, as they keep encountering a bug that prevents their code from running correctly. They have tried to debug the problem on their own, but got nowhere.

There are two weeks left before the assignment is due. Securing time with a TA or Instructor is difficult, and sometimes they are unhelpful, so Clair does not seek help from the course staff.

They turn to digital resources outside class for help, and eventually come across a code snippet that they think might help them fix their bug. They begin integrating it into their assignment, making small changes to it in order to make it fit their program.

## Consider
Consider the cases where Clair got their code from:

1. An online repository of snippets and components (e.g. StackOverflow, GitHub, Geeks4Geeks)
2. An AI tool (e.g. GitHub Copilot, ChatGPT)

**How likely is that while attending your institution, you will do what Clair did as described in the scenario?**

I may do what Clair did in the future.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**If you, while attending your institution, were in a situation similar to Clair's, what would you think about doing what they did?**

For me, at my institution, doing what Clair did would be foolish in a similar situation.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

For me, at my institution, doing what Clair did would be justified in a similar situation.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

When doing what Clair did in a similar situation at my institution, the benefits would outweigh the downside.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**If you were in a similar situation to Clair and did what they did, what impact would that have on the quality of your code?**

It would improve the quality of my code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

After doing this, I would feel less confident about the quality of your code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

It would improve my grade on this type of assignment.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Imagine you were in a similar situation to Clair and did what they did. In the long run, how might that affect how long you work on the assignment?**

It would save me time in the long run.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

I would end up wasting time integrating and debugging the copied code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**What would other people say if they learned while working at your institution, you had done what Clair did in this scenario?**

Most of my friends would think it's ok.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Most of my peers at my institution would disapprove.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Do you think that while working at your institution, you would be able to do what Clair did in the scenario?**

Personally, I could easily do what Clair did if I wanted to.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

There is nothing outside of my control which could prevent me from doing what Clair did.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Briefly explain why you responded the way you did for the given scenario.

SHORT_PLANNING

# Archie's Scenario

Archie has been working on his programming assignment. However, he does not know how to start. He has read the assignments and understands what needs to be done, but does not know how to begin writing code to do so. He has not written any code yet.

There is one day left before the project is due. Securing time with a TA or Instructor is difficult, and sometimes they are unhelpful, so Archie does not seek help from the course staff.

He turns to digital resources outside class for help, and eventually comes across a code snippet that he thinks might help him start. He begins integrating it into his assignment, making small changes to it in order to make it fit his program.

## Consider

Consider the cases where Archie got his code from:

1. An online repository of snippets and components (e.g. StackOverflow, GitHub, Geeks4Geeks)
2. An AI tool (e.g. GitHub Copilot, ChatGPT)

**How likely is that while attending your institution, you will do what Archie did as described in the scenario?**

I may do what Archie did in the future.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**If you, while attending your institution, were in a situation similar to Archie's, what would you think about doing what he did?**

For me, at my institution, doing what Archie did would be foolish in a similar situation.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | O | O | O | O | O | O | O |
| With an AI tool | O | O | O | O | O | O | O |

For me, at my institution, doing what Archie did would be justified in a similar situation.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | O | O | O | O | O | O | O |
| With an AI tool | O | O | O | O | O | O | O |

When doing what Archie did in a similar situation at my institution, the benefits would outweigh the downside.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | O | O | O | O | O | O | O |
| With an AI tool | O | O | O | O | O | O | O |

**If you were in a similar situation to Archie and did what he did, what impact would that have on the quality of your code?**

It would improve the quality of my code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | O | O | O | O | O | O | O |

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

After doing this, I would feel less confident about the quality of my code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

It would improve my grade on this type of assignment.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Imagine you were in a similar situation to Archie and did what he did. In the long run, how might that affect how long you work on the assignment?**

It would save me time in the long run.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

I would end up wasting time integrating and debugging the copied code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**What would other people say if they learned while working at your institution, you had done what Archie did in this scenario?**

Most of my friends would think it's ok.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Most of my peers at my institution would disapprove.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Do you think that while working at your institution, you would be able to do what Archie did in the scenario?**

Personally, I could easily do what Archie did if I wanted to.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With an AI Tool | ◯ | ◯ | ◯ | ◯ | ◯ | ◯ | ◯ |

There is nothing outside of my control which could prevent me from doing what Archie did.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ◯ | ◯ | ◯ | ◯ | ◯ | ◯ | ◯ |
| With an AI Tool | ◯ | ◯ | ◯ | ◯ | ◯ | ◯ | ◯ |

Briefly explain why you responded the way you did for the given scenario.

SHORT_PROGRAMMING

# Penny's Scenario

Penny has been working on her programming assignment. She has already started programming, however, she has realized that she does not understand how to code a certain part of the project.

There is one day left before the project is due. Securing time with a TA or Instructor is difficult, and sometimes they are unhelpful, so Penny does not seek help from the course staff.

She turns to digital resources outside class for help, and eventually comes across a code snippet that might help her continue. She begins integrating it into her assignment,

making small changes to it in order to make it fit her program.

# Consider

Consider the cases where Penny got her code from:

1. An online repository of snippets and components (e.g. StackOverflow, GitHub, Geeks4Geeks)
2. An AI tool (e.g. GitHub Copilot, ChatGPT)

**How likely is that while attending your institution, you will do what Penny did as described in the scenario?**

I may do what Penny did in the future.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**If you, while attending your institution, were in a situation similar to Penny's, what would you think about doing what she did?**

For me, at my institution, doing what Penny did would be foolish in a similar situation.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

For me, at my institution, doing what Penny did would be justified in a similar situation.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

When doing what Penny did in a similar situation at my institution, the benefits would outweigh the downside.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**If you were in a similar situation to Penny and did what she did, what impact would that have on the quality of your code?**

It would improve the quality of my code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

After doing this, I would feel less confident about the quality of my code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

It would improve my grade on this type of assignment.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Imagine you were in a similar situation to Penny and did what she did. In the long run, how might that affect how long you work on the assignment?**

It would save me time in the long run.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

I would end up wasting time integrating and debugging the copied code.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**What would other people say if they learned while working at your institution, you had done what Penny did in this scenario?**

Most of my friends would think it's ok.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Most of my peers at my institution would disapprove.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Do you think that while working at your institution, you would be able to do what Penny did in the scenario?**

Personally, I could easily do what Penny did if I wanted to.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

There is nothing outside of my control which could prevent me from doing what Penny did.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Briefly explain why you responded the way you did for the given scenario.

```


```

SHORT_DEBUG

# Sylvester's Scenario

Sylvester has been working on his programming assignment. However, he is stuck, as he keeps encountering a bug that prevents his code from running correctly. He has tried to debug the problem on his own, but got nowhere.

There is one day left before the project is due. Securing time with a TA or Instructor is difficult, and sometimes they are unhelpful, so Sylvester does not seek help from the course staff.

He turns to digital resources outside class for help, and eventually comes across a code snippet that he thinks might help him fix his bug. He begins integrating it into his assignment, making small changes to it in order to make it fit his program.

## Consider
Consider the cases where Sylvester got his code from:

1. An online repository of snippets and components (e.g. StackOverflow, GitHub, Geeks4Geeks)
2. An AI tool (e.g. GitHub Copilot, ChatGPT)

**How likely is that while attending your institution, you will do what Sylvester did as described in the scenario?**

I may do what Sylvester did in the future.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**If you, while attending your institution, were in a situation similar to Sylvester's, what would you think about doing what he did?**

---

For me, at my institution, doing what Sylvester did would be foolish in a similar situation.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

For me, at my institution, doing what Sylvester did would be justified in a similar situation.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

When doing what Sylvester did in a similar situation at my institution, the benefits would outweigh the downside.

|  | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**If you were in a similar situation to Sylvester and did what he did, what impact would that have on the quality of your code?**

It would improve the quality of my code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

After doing this, I would feel less confident about the quality of my code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

It would improve my grade on this type of assignment.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**Imagine you were in a similar situation to Sylvester and did what he did. In the long run, how might that affect how long you work on the assignment?**

It would save me time in the long run.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ |
| With an AI Tool | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ |

I would end up wasting time integrating and debugging the copied code.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ |
| With an AI Tool | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ |

**What would other people say if they learned while working at your institution, you had done what Sylvester did in this scenario?**

Most of my friends would think it's ok.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ |
| With an AI Tool | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ |

Most of my peers at my institution would disapprove.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ |
| With an AI Tool | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ | ⭕ |

**Do you think that while working at your institution, you would be able to do what Sylvester did in the scenario?**

Personally, I could easily do what Sylvester did if I wanted to.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

There is nothing outside of my control which could prevent me from doing what Sylvester did.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| With the Internet | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| With an AI Tool | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Briefly explain why you responded the way you did for the given scenario.

**RULE_BLOCK**

**Please provide some information about the general climate at your institution by indicating how true the following statements are for your institution.**

It is very important to follow the institution rules and procedures at your institution.

| Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|
| ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Successful people at your institution go by the book (i.e. follow the rules).

| Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|
| ○ | ○ | ○ | ○ | ○ | ○ | ○ |

People at your institution strictly obey the institution policies.

| Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|
| ○ | ○ | ○ | ○ | ○ | ○ | ○ |

## TIME_BLOCK

**How serious do you think it would be for you personally if you failed to deliver required functionality (e.g. such as an assignment or project) on time at your institution?**

It would not hurt my future much.

| Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|
| ○ | ○ | ○ | ○ | ○ | ○ | ○ |

There would be major negative consequences for me.

| Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|
| ○ | ○ | ○ | ○ | ○ | ○ | ○ |

## USE_BLOCK

How useful do you think it would be for your work at your institution to **use snippets/components from the Internet** and integrate them into the software you are

developing at your institution?

It would make it easier to do my assignment.

| Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|
| ○ | ○ | ○ | ○ | ○ | ○ | ○ |

How useful do you think would it be for your work at your institution to **use code from AI tools (such as GitHub Copilot or ChatGPT)** and integrate them into the software you are developing at your institution?

It would make it easier to do my assignment.

| Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|
| ○ | ○ | ○ | ○ | ○ | ○ | ○ |

## CERT_BLOCK

How difficult do you think it would be to detect that your submissions contain snippets/components **from the Internet?**

It would be very difficult for anyone to find out.

| Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|
| ○ | ○ | ○ | ○ | ○ | ○ | ○ |

How difficult do you think it would be to detect that your submissions contain snippets/components **from AI tools (such as GitHub Copilot or ChatGPT)?**

It would be very difficult for anyone to find out.

| Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|
| ○ | ○ | ○ | ○ | ○ | ○ | ○ |

## DEMO_CS

# Demographic Survey

## All of the following demographic questions are *optional* and you do not have to respond if you do not wish to do so.

## Please rate yourself on the following dimensions in regards to <u>Computer Science</u>

### Unskilled to Skilled

Unskilled                                                                                                    Skilled

0⭕    1⭕    2⭕    3⭕    4⭕    5⭕    6⭕    7⭕    8⭕    9⭕    10⭕

### Incompetent to Competent

Incompetent                                                                                              Competent

0⭕    1⭕    2⭕    3⭕    4⭕    5⭕    6⭕    7⭕    8⭕    9⭕    10⭕

### Incapable to Capable

Incapable                                                                                                  Capable

0⭕    1⭕    2⭕    3⭕    4⭕    5⭕    6⭕    7⭕    8⭕    9⭕    10⭕

### Unknowledgeable to Knowledgeable

Unknowledgeable                                                                            Knowledgeable

0⭕    1⭕    2⭕    3⭕    4⭕    5⭕    6⭕    7⭕    8⭕    9⭕    10⭕

### Inadequate to Adequate

Inadequate                                                                                              Adequate

0⭕    1⭕    2⭕    3⭕    4⭕    5⭕    6⭕    7⭕    8⭕    9⭕    10⭕

## CS Grades and Ability

Indicate to what extend you agree with the following statements.

| | Strongly disagree | Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Agree | Strongly agree |
|---|---|---|---|---|---|---|---|
| Computer Science is one of my best subjects | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| I get good grades in Computer Science | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

My ability in Computer Science is:

| Considerably below average | Below average | Somewhat below average | Average | Somewhat above average | Above average | Considerable above average |
|---|---|---|---|---|---|---|
| ○ | ○ | ○ | ○ | ○ | ○ | ○ |

In Computer Science classes, I usually get grades of:

○ A's

○ B's

○ C's

○ D's

○ F's

## Undergrad

What is/are your major(s)?

[                                                                          ]

If you are or are planning to take any minors, list them here

## CS Course History

How many Computer Science courses have you taken at the college level?

How many Computer Science courses have you taken at the high-school level?

What is your current GPA?

## Race_Gender

Are you Spanish, Hispanic, or Latino?

○ Spanish
○ Hispanic
○ Latino
○ None of these

Choose one or more of the races you consider yourself to be

☐ White
☐ Asian
☐ South Asian (such as Indian)
☐ Black/African-American
☐ American Indian or Alaska Native
☐ Hispanic or Latino/Latina

☐ Native Hawaiian or Pacific Islander (such as Samoan, Fijian)

☐ Something else (please specify) [          ]

If you could only select one racial category, which would you choose?

○ White

○ Asian

○ South Asian (such as Indian)

○ Black/African-American

○ American Indian or Alaska Native

○ Hispanic or Latino/Latina

○ Native Hawaiian or Pacific Islander (such as Samoan, Fijian)

○ Something else (please specify) [          ]

How would you describe your gender?

○ Male

○ Female

○ Non-binary

○ Something else (please specify): [          ]

**Upbringing**

Would you describe yourself as a first-generation college student? (E.g. neither of your parents or guardians have earned a four-year degree)

○ I am a first generation college student.

○ I am not a first generation college student.

Think of the ladder below as representing where people stand in the United States.

At the **top** of the ladder are the people who are the best off—those who grew up with the most money, the most education, and the most respected jobs. At the **bottom** are the people who are the worst off—who grew up with the least money, least education, and the least respected jobs or no job.

The higher up you are on this ladder, the closer you are to the people at the very top and the lower you are, the closer you are to the people at the very bottom.

Where would you put yourself on the latter?



○  10 (Top Rung)

○  9

○  8

○  7

○  6

○  5

○  4

○  3

○  2

○  1 (Bottom Rung)

**REDIRECT**