

# PRIMMDebug Evaluation Study: Student Survey

This document contains the survey questions that students were asked after using the PRIMMDebug tool for a number of lessons. The survey was hosted on Qualtrics.

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## Start of Block: Default Question Block

PRIMMDebug Questionnaire This questionnaire is only 9 questions will only take about 5-10 minutes. Remember: There are no right or wrong answers. Your responses are anonymous.

If you would like to withdraw from answering the questionnaire at any point, just let your teacher know.

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These questions are about the **PRIMMDebug website**. If you don't remember PRIMMDebug, here's one of the PRIMMDebug challenges you tried.

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<In the survey, a video of the PRIMMDebug tool appeared here>

Q1 How much do you agree or disagree with these sentences about the **PRIMMDebug website**?

	Strongly disagree (1)	Disagree (2)	Neither agree nor disagree (3)	Agree (4)	Strongly agree (6)
I thought the website was easy to use. (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I found the website too complicated. (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I think most people would learn to use the website very quickly. (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I needed to learn a lot of things before I could get going with the website. (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I felt very confident using the website. (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q2 How helpful or unhelpful were these parts of the **PRIMMDebug website** for teaching you about finding and fixing errors in computer programs? (An *error* is a part of the program that doesn't work as it should)

	Very unhelpful (1)	Slightly unhelpful (2)	Slightly helpful (3)	Very helpful (5)
Having to write out my thoughts before moving on to some of the stages. (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Only being able to run the program at certain stages. (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Having to select the line number of the error in the "Find the Error" stage before moving on. (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Only being able to edit the program at certain stages. (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being given test cases for some of the challenges. (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q3 How much do you agree or disagree with these sentences about the **PRIMMDebug challenges** you tried?

	Strongly disagree (1)	Disagree (2)	Neither agree nor disagree (3)	Agree (4)	Strongly agree (6)
The computer programs used in the challenges were at a good level for me. (19)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The errors in the challenges gave me practice with errors I get in my own programs. (20)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q4 What did you think about the difficulty of the **PRIMMDebug challenges** you tried?

- ☐ Far too challenging (1)
- ☐ A little too challenging (3)
- ☐ A good level of difficulty for me (4)
- ☐ A little too easy (5)
- ☐ Far too easy (6)

These questions are about the SIFFT steps you were taught for finding and fixing errors in computer programs.

# SIFFT out the errors in your code!



**S**pot the defect



**I**nspect the code



**F**ind the error



**F**ix the error



**T**est the program

If your program is throwing an **error message**, skip to the **FIND THE ERROR** stage

Don't worry!  
Debugging  
takes time. Just  
go back to the  
**INSPECT THE  
CODE** stage

Does the program  
work as it should?

Not yet, but I'll  
try again

Yes it does!

Well done! Keep  
on programming!

Q5 How helpful was the SIFFT process for teaching you to find and fix errors in computer programs?

- ☐ Very unhelpful (1)
  - ☐ Slightly unhelpful (2)
  - ☐ Slightly helpful (3)
  - ☐ Very helpful (4)
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Q6 Since being taught it, how much have you used SIFFT when solving errors in your own programs?

- ☐ Not at all (1)
  - ☐ I barely use it (3)
  - ☐ I sometimes use it (4)
  - ☐ I use it every time I get an error (5)
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Q7 If there's anything else you'd like to mention about PRIMMDebug or SIFFT, please write it here.

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Q8 Please select your year group

☐ Year 7 (1)

☐ Year 8 (2)

☐ Year 9 (3)

☐ Year 10 (4)

☐ Year 11 (5)

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Q9 Please enter your gender

☐ Male (1)

☐ Female (2)

☐ Non-binary (3)

☐ Other (4)

☐ Prefer not to say (5)

End of Block: Default Question Block

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