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.

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.

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

<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. | 0 | 0 | 0 | 0 | 0 |
| I found the website too complicated. (4) | 0 | 0 | 0 | 0 | 0 |
| I think most people would learn to use the website very quickly. (5) | 0 | 0 | 0 | 0 | 0 |
| I needed to learn a lot of things before I could get going with the website. (6) | 0 | 0 | 0 | 0 | 0 |
| I felt very confident using the website. (7) | 0 | 0 | 0 | 0 | 0 |
| | | | | | |

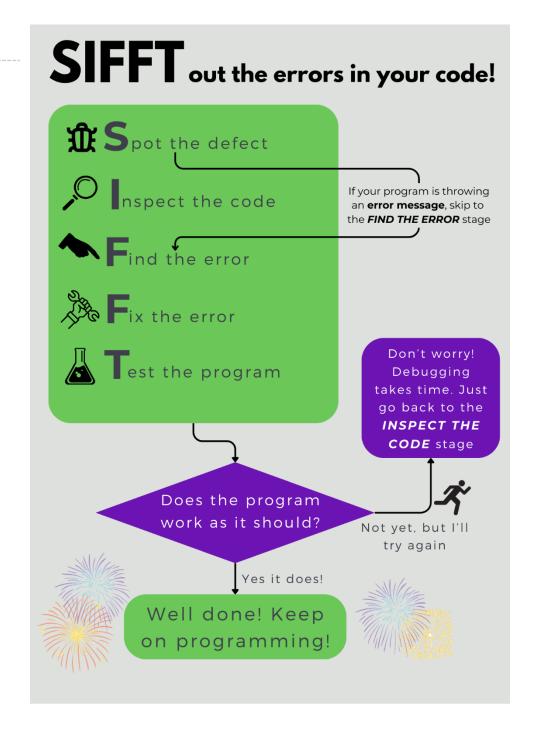
Q2 How helpful or unhelpful were these parts of the **PRIMMDebug website** for teaching you about finding and fixing errors in computer programs? (An *error* is a part of the program that doesn't work as it should)

| 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) | 0 | 0 | 0 | 0 |
| Only being able to run the program at certain stages. (2) | 0 | 0 | 0 | \circ |
| Having to select the line number of the error in the "Find the Error" stage before moving on. (3) | 0 | 0 | 0 | |
| Only being able to edit the program at certain stages. (4) | 0 | 0 | 0 | 0 |
| Being given test cases for some of the challenges. (8) | 0 | 0 | 0 | 0 |
| , | | | | |

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) | 0 | 0 | | 0 | 0 |
| The errors in the challenges gave me practice with errors I get in my own programs. (20) | 0 | | | 0 | |
| ○ Far too o ○ A little to ○ A good l | u think about the challenging (1) oo challenging (3 evel of difficulty f |) | PRIMMDebug cha | llenges you trie | ed? |
| O Far too | easy (6) | | | | |

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



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| Q5 How helpful was the SIFFT process for teaching you to find and fix errors in computer programs? |
|--|
| O Very unhelpful (1) |
| Slightly unhelpful (2) |
| Slightly helpful (3) |
| O Very helpful (4) |
| Q6 Since being taught it, how much have you used SIFFT when solving errors in your own programs? |
| O Not at all (1) |
| O I barely use it (3) |
| I sometimes use it (4) |
| I use it every time I get an error (5) |
| Q7 If there's anything else you'd like to mention about PRIMMDebug or SIFFT, please write it here. |

March 2025 Q8 Please select your year group O Year 7 (1) O Year 8 (2) O Year 9 (3) O Year 10 (4) O Year 11 (5) Q9 Please enter your gender O Male (1) O Female (2) O Non-binary (3) Other (4) O Prefer not to say (5)

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End of Block: Default Question Block