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|  | Concept Assignment 2 Submission  PLTW Computer Science CSP Core Training |

# Abstraction

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|  | Part 1: Hardware Abstraction |

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| 1. How does the concept of abstraction relate to hardware in computers? |
| Replace this text with your response. |

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|  | Part 2: Data Abstraction |

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| 1. Answer question 17 a and b (Part V) and Conclusion Question 1 from Activity 1.2.1. |
| Replace this text with your response. |

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| 1. Explain the eight variable roles that have been discussed. This can be as simple as a list with definitions or as elaborate as a graphical representation of each role. Create something that will be of use to you in your classroom to help your students understand the roles of variables. |
| Replace this text with your response. |

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|  | Part 3: Considering Classroom Implications |

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| 1. Write a reflection about the things you learned today. Consider highlighting new things you’ve learned, items you need to consider for implementing this in your classroom, and ideas and suggestions you’ve heard from others. Use the questions in Part 3 of the assignment as prompts, but don’t feel limited or constrained by just those questions. |
| Replace this text with your response. |