**Section: Programming (Advocate: Manish Gadhvi)**

**Provide a definition of what an algorithm is and outline the process in building an application.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Glossary-Of-Tech-Terms/blob/master/README.md#12---algorithms>  <https://github.com/RyanEdwards1/Glossary-Of-Tech-Terms/blob/master/README.md#11---programming-steps--building-an-application> |
| The First link is to my Glossary of terms which links you to a definition of what an algorithm is  The Second link is also to my Glossary of terms which links to the outline of a process in building an application |

**Give explanations of what procedural, object orientated and event driven paradigms are; their characteristics and the relationship between them.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Glossary-Of-Tech-Terms/blob/master/README.md#15---procedural> |
| This link takes you directly to the Procedural, object orientated and event driven paradigms parts in my glossary of terms |

**Write a program that implements an algorithm using an IDE.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Project-2-High-Low/blob/master/README.md#flow-chart>  <https://github.com/RyanEdwards1/Project-2-High-Low/blob/master/README.md#the-ide-that-i-used-was-replit>  <https://github.com/RyanEdwards1/Project-2-High-Low/blob/master/Code.h>  <https://user-images.githubusercontent.com/31927415/35562946-fe164316-05ac-11e8-8c08-8dee68d5dd00.jpg> |
| This link takes you to within my project 1 where I talk about the implements of an algorithm using an IDE |

**Explain the debugging process and explain the debugging facilities available in the IDE.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Glossary-Of-Tech-Terms/blob/master/README.md#14---debugging> |
| This link takes you to my glossary of terms where I talk about the debugging process and explain the debugging facilities available in a IDE |

**Outline the coding standard you have used in your code.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Project-1-Trace-Ball/blob/master/README.md#coding-standards>  <https://user-images.githubusercontent.com/31927415/35562946-fe164316-05ac-11e8-8c08-8dee68d5dd00.jpg> |
| This link takes you to my project 1 where I Outline the coding standard you have used in your code |

**Determine the steps taken from writing code to execution.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Glossary-Of-Tech-Terms/blob/master/README.md#11---programming-steps> |
| This link takes you to the steps taken from writing code to execution |

**Analyse the common features that a developer has access to in an IDE.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Glossary-Of-Tech-Terms/blob/master/README.md#common-features-of-an-ide> |
| This link takes you to my glossary of terms that analyses the common features that a developer has access to in a IDE |

**Use the IDE to manage the development process of the program.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Project-2-High-Low/blob/master/README.md#the-ide-that-i-used-was-replit>  <https://github.com/RyanEdwards1/ZSL#the-ide> |
| This link takes you to how I managed the development process of the program |

**Evaluate how the debugging process can be used to help develop more secure, robust applications.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Glossary-Of-Tech-Terms/blob/master/README.md#14---debugging> |
| This link takes you to the debugging process that can be used to make programs more robust |

**Examine the implementation of an algorithm in a suitable language. Evaluate the relationship between the written algorithm and the code variant.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Project-2-High-Low/blob/master/README.md#implementation-of-an-algorithm> |
| This link takes you to the implementation of an algorithm in the language I used. It also shows the relationship between the written algorithm and the code variant |

**Critically evaluate the source code of an application which implements the programming paradigms, in terms of the code structure and characteristics.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Project-1-Trace-Ball#evaluation>  <https://github.com/RyanEdwards1/Project-2-High-Low/blob/master/README.md#evaluation> |
| This link takes you to my evaluation of my source code which implements the programming paradigms, in terms of the code structure and characteristics |

**Evaluate the use of an IDE for development of applications contrasted with not using an IDE.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Glossary-Of-Tech-Terms/blob/master/README.md#131-using-a-ide-vs-not-using-a-ide> |
| This link takes you to the difference between using a IDE and not using a IDE |

**Critically evaluate why a coding standard is necessary in a team as well as for the individual.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links  <https://github.com/RyanEdwards1/Project-1-Trace-Ball#coding-standards>  <https://github.com/RyanEdwards1/Project-2-High-Low/blob/master/README.md#evaluation>  <https://github.com/RyanEdwards1/Project-1-Trace-Ball#evaluation> |
| This link takes you to my evaluation of coding standards which we did in a team and by my self |