**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> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**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> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**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-1-Trace-Ball/blob/master/README.md#the-ide-i-used-was-notepad> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**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> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**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> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**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#18---interpreter>  <https://github.com/RyanEdwards1/Glossary-Of-Tech-Terms/blob/master/README.md#programming-steps> |
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**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#13---ide> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**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-1-Trace-Ball/blob/master/README.md#the-ide-i-used-was-notepad> |
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**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> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**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> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**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> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**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/Project-1-Trace-Ball/blob/master/README.md#using-a-ide-vs-not-using-a-ide> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**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> |
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