**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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| <https://github.com/MarkB19988/Glossary-of-Programming-Terms>  <https://github.com/MarkB19988/Project1-TrackerBall>  <https://github.com/MarkB19988/Project2-HigherLower> |
| 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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| <https://github.com/MarkB19988/Glossary-of-Programming-Terms> |
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**Write a program that implements an algorithm using an IDE.**

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| <https://github.com/MarkB19988/Project2-HigherLower/blob/master/Higher%20or%20Lower%20final.h>  <https://github.com/MarkB19988/Project2-HigherLower/blob/master/README.md#flowchart>  <https://github.com/MarkB19988/Project2-HigherLower#ide-used> |
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**Explain the debugging process and explain the debugging facilities available in the IDE.**

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| <https://github.com/MarkB19988/Glossary-of-Programming-Terms/blob/master/README.md#3-debugging-process> |
| 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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| <https://github.com/MarkB19988/Project1-TrackerBall#coding-standards> |
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**Determine the steps taken from writing code to execution.**

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

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

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

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

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

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| 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 |