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

**P1 Provide a definition of what an algorithm is and outline the process in building an application.**

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| [https://github.com/Ahm15275097/Glossary#definition-of-what-an-algorithm-is-and-outlining-the-process-in-building-an-application](https://github.com/Ahm15275097/Glossary%23definition-of-what-an-algorithm-is-and-outlining-the-process-in-building-an-application) |
| Definition of what an algorithm is and the process in building an application |

**P2 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/Ahm15275097/Glossary#give-explanations-of-what-procedural-object-orientated-and-event-driven-paradigms-are-their-characteristics-and-the-relationship-between-them](https://github.com/Ahm15275097/Glossary%23give-explanations-of-what-procedural-object-orientated-and-event-driven-paradigms-are-their-characteristics-and-the-relationship-between-them) |
| Programming paradigms and their relationships |

**P3 Write a program that implements an algorithm using an IDE.**

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| <https://github.com/Ahm15275097/Traceball/blob/master/Documentation.md>  <https://github.com/Ahm15275097/Traceball/blob/master/code.html>  <https://github.com/Ahm15275097/High-and-Low-/blob/master/Documentation.md>  https://github.com/Ahm15275097/High-and-Low-/blob/master/Code.cpp |
| The first link is the documentation for the first program I created. This was the traceball program which was created in notepad without the use of an IDE. |

**P4 Explain the debugging process and explain the debugging facilities available in the IDE.**

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| [https://github.com/Ahm15275097/Glossary#explain--the--debugging--process-and-explain--the-debugging--facilities--available--in--the--ide](https://github.com/Ahm15275097/Glossary%23explain--the--debugging--process-and-explain--the-debugging--facilities--available--in--the--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 |

**P5 Outline the coding standard you have used in your code.**

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| [https://github.com/Ahm15275097/Traceball/blob/master/Documentation.md#coding-standards](https://github.com/Ahm15275097/Traceball/blob/master/Documentation.md%23coding-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 |

**M1 Determine the steps taken from writing code to execution.**

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| [https://github.com/Ahm15275097/Glossary#determine-the-steps-taken-from-writing-code-to-execution](https://github.com/Ahm15275097/Glossary%23determine-the-steps-taken-from-writing-code-to-execution) |
| 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 |

**M2 Analyse the common features that a developer has access to in an IDE.**

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| [https://github.com/Ahm15275097/Glossary#analyse-the-common-features-that-a-developer-has-access-to-in-an-ide](https://github.com/Ahm15275097/Glossary%23analyse-the-common-features-that-a-developer-has-access-to-in-an-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 |

**M3 Use the IDE to manage the development process of the program.**

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| <https://github.com/Ahm15275097/High-and-Low-/blob/master/Documentation.md#how-the-ide-helped-manage-the-development-process-of-the-program> |
| 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 |

**M4 Evaluate how the debugging process can be used to help develop more secure, robust applications.**

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| <https://github.com/Ahm15275097/Glossary/blob/master/README.md#evaluate-how-the-debugging-process-can-be-used-to-help-develop-more-secure-robust-applications> |
| 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 |

**D1 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 |
| 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 |

**D2 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 |
| 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 |

**D3 Evaluate the use of an IDE for development of applications contrasted with not using an IDE.**

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| <https://github.com/Ahm15275097/Glossary/blob/master/README.md#using-an-ide-vs-not-using-an-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 |

**D4 Critically evaluate why a coding standard is necessary in a team as well as for the individual.**

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| <https://github.com/Ahm15275097/Glossary/blob/master/README.md#critically-evaluate-why-a-coding-standard-is-necessary-in-a-team-as-well-as-for-the-individual> |
| 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 |