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

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

|  |
| --- |
| <https://github.com/EmperorDan/Glossary-of-tech-terms/blob/master/Algorithm.md> |
| I’ve started with a short definition on what an algorithm is. Below the definition is the processes in building |

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

|  |
| --- |
| <https://github.com/EmperorDan/Glossary-of-tech-terms/blob/master/Paradigms.md> |
| Above is the link to my definitions of paradigms. |

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

|  |
| --- |
| <https://github.com/EmperorDan/DAMN-Anagram/blob/master/DAMN-Anagram.md#troubleshooting> |
| The link to project-03 shows screenshots of me using Repl.it. I describe how the IDE made life a lot easier. |

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

|  |
| --- |
| <https://github.com/EmperorDan/DAMN-Anagram/blob/master/DAMN-Anagram.md#troubleshooting>  <https://github.com/EmperorDan/WIKI/blob/master/IDE-Review.md> |
| I have a short description of the IDE repl.it, in my DAMN-Anagram repository. I have also provided a link to my review on an IDE which is more in depth. |

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

|  |
| --- |
| <https://github.com/EmperorDan/Cube-Chaser/blob/master/Cube-Chaser.md#coding-standards> |
| Located below the title ‘Coding standards’ near the end of the page. I explain the coding standards I’ve used in my code, and how it has helped me. |

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

|  |
| --- |
| [**https://github.com/EmperorDan/WIKI/edit/master/Writing-Execution.md**](https://github.com/EmperorDan/WIKI/edit/master/Writing-Execution.md) |
| I have outlined the steps you must take when writing, and executing code. |

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

|  |
| --- |
| [**https://github.com/EmperorDan/WIKI/blob/master/IDE-Review.md**](https://github.com/EmperorDan/WIKI/blob/master/IDE-Review.md) |
| 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.**

|  |
| --- |
| <https://github.com/EmperorDan/DAMN-Anagram/blob/master/DAMN-Anagram.md#troubleshooting> |
| I have added my DAMN-Anagram repo, because I have explained the facilities available in repl.it. I show screenshots showing the problems I faced, and how they were resolved. |

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

|  |
| --- |
| <https://github.com/EmperorDan/WIKI/blob/master/Debugging%20process.md> |
| 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.**

|  |
| --- |
|  |
| 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.**

|  |
| --- |
| **TO DO** |
| 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.**

|  |
| --- |
| [**https://github.com/EmperorDan/DAMN-Anagram/blob/master/DAMN-Anagram.md**](https://github.com/EmperorDan/DAMN-Anagram/blob/master/DAMN-Anagram.md) |
| Below the title Troubleshooting I have explained how the IDE was used. |

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

|  |
| --- |
| [**https://github.com/EmperorDan/Glossary-of-tech-terms/blob/master/Software%20Quality.md**](https://github.com/EmperorDan/Glossary-of-tech-terms/blob/master/Software%20Quality.md) |
| I explain the importance of coding standards, and why they’re used. |