**Assignment Programming Languages**

In this assignment you are learning about Programming Languages. You will have an opportunity to code in multiple languages while building an installation tutorial.

**Submission Requirements:**

* Title page
* Well documented report for Q.1.
* Reference page
* Font size 11
* Font style Courier
* Line spacing 1.5
* Chose one from the following for Q. 3.
  + Word document, PowerPoint or video recording

Q.1. Research why it’s important for students to learn coding. Prepare one-page report (Word Document) following the given specifications.

Q.2. Research programming languages, prepare a list of programming languages, their purpose, requirements and constraints. Choose 3 programming languages that are best for each of Web, Mobile and non-Web and non-Mobile applications. Briefly explain what operating system these languages will be best compatible for and why?

Q.3. Create a tutorial for one programming language (excluding Java, C#, JavaScript, HTML, CSS) describing how to download, install, and write the typical “Hello World” Program along with your name with it.

**Rubric Programming Languages**

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| --- | --- | --- | --- | --- |
| **Categories** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| **Knowledge/Understanding** | | | | |
| **List of Programming Languages, their purpose and its resources as well as requirements** | Identifies some relevant  Programming languages, their purpose and their requirements | Identifies all relevant  Programming languages, their purpose and their requirements |  |  |
| **Thinking** | | | | |
| **Justification of importance of programming languages** | Reasoning provided is unsatisfactory | Reasoning provided is satisfactory | Reasoning provided is good | Reasoning provided is excellent |
| **Application** | | | | |
| **Uses knowledge to prepare the tutorial** | Instructions provided in the tutorial are not clear, complete and logical. | Instructions provided in the tutorial are some what clear, complete and logical | Instructions provided in the tutorial are clear, complete and logical | Instructions provided in the tutorial provided are excellent with images, steps, clarity, completeness and logical |
| **Communication and organization** | | | | |
| **Uses proper grammar**  **Presentation of information** | >4major grammar mistakes  Information organization is poor. | <4 major grammar mistakes  Information organization is somewhat organized. | Minor grammar mistakes  Information organization is good. | Excellent grammar  Information organization is very good. |