CIS 103: Introduction to Programming
Written Assignment 1: Understanding Python and GitHub

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Due: 09/06/2024 @ 11:59pm

Objective:

- Assess students' understanding of the basics of Python programming and version control using GitHub.

Instructions:

- Answer the following questions in 3-4 sentences each.
- Be clear and concise in your explanations.
- Submit your responses through the course's designated submission portal.

Questions:

1. What is Python, and why is it a popular programming language?

- Briefly describe Python and explain why it is widely used in various fields of programming.

2. What are some common uses of Python in the real world?

- Discuss a few practical applications of Python in industries such as web development, data analysis, or automation.

3. What is GitHub, and how does it relate to Git?

- Explain what GitHub is and how it complements the use of Git for version control.

4. Why is version control important in programming projects?

- Discuss the significance of version control systems like Git in managing and collaborating on coding projects.

5. How can you use GitHub to collaborate with others on a programming project?

- Describe how GitHub facilitates collaboration among multiple developers working on the same project.

Submission Guidelines:

- Your responses should be well-organized and demonstrate a clear understanding of the topics.
- Submit your answers in a Word document or export it as a PDF through Brightspace
- Ensure your name, course name, and the assignment title are included in the document.

Grading Criteria:

- **Understanding:** Demonstrates a clear and accurate understanding of Python and GitHub.
- **Clarity:** Answers are well-written, clear, and concise.
- **Completion:** All questions are answered thoroughly and submitted on time.