Name: _____

Use this quiz to help make sure you understand the videos/reading. ***Answer all questions.*** Make additional notes as desired. ***Not sure of an answer?*** Ask your instructor to explain in class and revise as needed then. ***Turn this in via the Session 1 Dropbox on our Moodle site.***

Throughout, where you are asked to "circle your choice", you can circle or underline it (whichever you prefer).

Video: ***Online Course*** [5:13 minutes]

1. True or False: In this summer's ***online*** CSSE 120,
    your instructor is present at each class session.   **True   False**   (circle your choice)

2. True or False: In this summer's ***online*** CSSE 120,
    students attend class ***electronically***.   **True   False**   (circle your choice)

3. True or False: In this summer's ***online*** CSSE 120,
    each class session has a SINGLE meeting time for that session.   **True   False**
    (circle your choice)

4. You will attend the ***last*** session of this summer's
    online CSSE 120 ***after you return to Rose-Hulman***.   **True   False**   (circle your choice)

Video: ***The Flipped Classroom*** [4:42 minutes]

5. CSSE 120 uses a ***flipped learning*** approach?   **Yes   No**   (circle your choice)

6. In a ***flipped*** classroom, the ***deep*** learning occurs (circle your choice):

    a. In the classroom, during lectures.

    b. In the classroom, doing exercises.

    c. Outside the classroom, doing homework.

    d. Outside the classroom, watching videos.

7. True or false: In CSSE 120, ***before*** most sessions you will watch some short videos and/or
    do some reading from your textbook, plus do a short quiz.   **True   False**
    (circle your choice)

8. You should do the quiz (circle your choice):

    a. Before you watch the associated videos and/or do the reading.

    b. While you are watching the associated videos and/or doing the reading.

    c. After you watch the associated videos and/or do the reading.

    d. Your choice – any of the above are fine, although many students will do best doing
        option (b).

9. What should you do if there are questions in the quiz whose answer you don't know? (Circle your choice)

    a. Cry.

    b. Beat up your professor.

    c. Leave the question(s) blank and ask about it at the beginning of class.

10. If you don't watch the video and do the quiz before class, should you come to class anyhow?   **Yes   No**   (circle your choice)

11. Is it appropriate to NOT do the video until class, and then ask your professor (or an assistant or classmate) for the answers to *all* the questions?   **Yes   No**   (circle your choice)

12. True or False: Before you begin the in-class exercises for a session, you must do the quiz (and hence its associated videos/reading) for that session, even if that means doing the quiz at the beginning of a session. That is, your quiz is your *admission ticket* for doing the in-class exercises.   **True   False**   (circle your choice)

Video: ***What is Software Engineering?*** [3:44 minutes]

13. What is the name of the ***programming language*** that we will use in this course?

14. True or False: The programming language for our course is mostly used to teach beginners how to program.   **True   False**   (circle your choice)

15. This course covers (circle your choice):

    a. All of ***software engineering.***

    b. The subset of software engineering called ***software development.***

16. True or False: Software engineers rarely interact with other people when doing their job well.   **True   False**   (circle your choice)

17. True or False: A typical software engineer spends most of her time typing lines in a program.   **True   False**   (circle your choice)

18. True or False: Men are usually better software engineers than women are.   **True   False**   (circle your choice)

19. True or False: Software engineering requires being a creative thinker.   **True   False**   (circle your choice)

Online Reading: *Course Policies, from the Syllabus* linked at the course web site
     www.rose-hulman.edu/class/csse/csse120

(See the link to the *Syllabus* in the upper-right corner of the course web site.)

20. Have you bookmarked the course web site? (I hope so!) **Yes   No**   (circle your choice)

21. True or False: This course assumes that you have at least some
    prior programming experience, as a prerequisite for the course.   **True   False**
    (circle your choice)

    [Hint: Look at ***Prerequisites*** in the ***Catalog Description*** section.]

22. According to the ***How to succeed in CSSE120*** section (circle your choice)**:**

    a. Just "getting an in-class exercise to work" is enough.

    b. You should continue to work on each in-class exercise until you are ***confident*** about
        it (and should ask questions as needed to become confident about it).

23. What is the name of the tool that you should normally use for asking questions outside
    of class. [Hint: It is NOT email.] [Hint: It is a 6-letter word that begins with P.]

    [Hint: Look at ***Sources of help*** section across from the ***How to succeed in CSSE120 s***ection.]

24. True or false: If you do not ***initially*** complete an exercise of Session 2
    (for example) satisfactorily, you automatically fail the course?
    (Hint: The answer is *False*.)   **True   False**   (circle your choice)

    [Hint: Look at the ***Assessment Plan*** section.]

25. True or false: If you ***never*** complete an exercise of Session 2
    (for example) satisfactorily, you automatically fail the course?
    (Hint: The answer is *True*.)   **True   False**   (circle your choice)

    [Hint: Look at the ***Assessment Plan*** section.]

26. Suppose that your scores on work for this course are:

    - Quizzes and in-classes exercises: all perfect.
    - Average of your 3 exams during the term: 100%.
    - Final examination: 60%.
    - End-of-term team project: 90%.

    Then your course average is (40% x 100) + (20% x 60) + (40% x 90), which is 88%,
    and your letter grade for the course is (circle your choice):

        A   B+   B   C+   C   D+   D   F

    [Hint: Look at the ***Assessment Plan*** section. The correct answer is   *NOT*   B+.]

27. Suppose that your scores on work for this course are:

    - Quizzes and in-classes exercises: all perfect.
    - Average of your 3 exams during the term: 100%.
    - Final examination: 90%.
    - End-of-term team project: 60%.

    Then your course average is (40% x 100) + (20% x 90) + (40% x 60), which is 82%, and your letter grade for the course is (circle your choice):

         A   B+   B   C+   C   D+   D   F

    [Hint: Look at the **Assessment Plan** section. The correct answer is *NOT* B.]

28. At the beginning of each class session, what should you do to let me know that you are beginning the session?

    [Hint: Look at the **Attendance Policy** section.]

29. Have you read, and do you understand, the **Attendance Policy**? **Yes   No** (circle your choice)

30. True or false: It's OK if you and a friend agree that *you* will do the exercises for the odd-numbered sessions, and *your friend* will do the exercises for the even-numbered sessions, and then you'll share your work.   **True   False** (circle your choice)   [Hint: Look at the **Academic Integrity** section.]

31. True or false: It's important to make a sincere effort to *understand* the concepts behind each problem on which you get help.   **True   False** (circle your choice)   [Hint: Look at the **Academic Integrity** section.]

32. True or false: Suppose you are taking an exam in this course and a friend in another section of the class emails you, asking you for the answer to a problem that you know you got right. The right thing to do, according to the Rose-Hulman culture, is to send your answer to your friend.   **True   False** (circle your choice)   [Hint: Look at the **Academic Integrity** section.]

33. True or False: **I have read the *Academic Integrity* section of the Syllabus and I understand it.**   **True   False**   (circle your choice)

<u>Video:</u> ***Your First Program*** [4:06 minutes]

> Alternatively, use the optional **Textbook Reading**: *Section 1.5 – Analyzing Your First Program* (pages 11 – 13) from your textbook (***Python for Everyone***, by Horstmann and Necaise), to answer these questions.

34. A Python **comment** begins with **#** and goes until the end of the line. What is the purpose of such comments?

35. The Python statement   **print("Hello, World!")**   causes the line of text

    Hello, World!

    to be printed (i.e., displayed) on what's called the **console**. Write the 3 Python statements (one beside each bulleted item) that would cause the 3 following lines of text to be printed:

    - **Roses are red**

    - **A big number is:**
      followed by the ***product of 999 and 888***
      (let the program do the multiplication)

    - A blank line
      [Hint: You don't have to put anything
      inside the parentheses, but you do need the parentheses themselves.]

36. When we call any Python function (such as ***print*** or ***max*** or ***round***), what punctuation symbol ***must*** immediately follow the name of the function? _____

37. A sequence of characters enclosed in quotation marks, e.g. **'violets are blue'** or **"cool!"** or **'75'** is called a _____
    [Hint: Begins with an *s* and rhymes with "ring".]

38. True or false: Indentation in Python programs should
    be used to make them more readable to a human,
    but it does not affect what the program does.   **True**   **False**   (circle your choice)

39. Consider the following program. When ***main*** runs, what gets printed?
    (Write your answer to the right of the box containing the program.)

```python
def main():
    part2()
    part1()

def part1():
    print('This is Part 1.')

def part2():
    print('This is Part', 1 + 1)
```