CMSC 131 Quiz 2 Worksheet

The first quiz for the course will be on Mon, Sep 20. The following list provides more information about the quiz:

- The quiz will be a written quiz (no computer).
- The quiz will be in your lab (discussion) session.
- Closed book, closed notes quiz.
- Answers must be neat and legible. We recommend that you use pencil and eraser.

The following exercises cover the material to be included in this quiz. Solutions to these exercises will not be provided, but you are welcome to discuss your solutions with the TA or instructor during office hours.

Exercises

1. Define a symbolic constant that represents PI (3.14).
2. Write a program that reads an integer value and determines whether it is divisible by 2.
3. Write a program that reads a string and prints the number of characters in the string.
4. Write a program that reads three values and determines whether they represent an increasing sequence.
5. Write a program that asks the user for a password value. The expected value is “terps”. If the user provides the expected value, the program is expected to generate the value “Access Granted”; otherwise the program will print the message “Access Denied”.
6. Write a program that decides what parking permit to grant, based on the following criteria:
   - freshman → ”Zone Purple”
   - sophomore → ”Zone Red”
   - junior → ”Zone Green”
   - senior or age > 40 → ”Zone Gold”