CMPS 2010 Homework 2

Fall 2024

Chapter 3

- 1. Why is it important to seed the random number generator before using the rand() function?
- 2. Explain how to use the pow() function and describe what it does.
- 3. The ______ file must be included in a program that uses the mathematical functions
- 4. The ______ file must be included in a program that uses the rand() function
- Assume a string object has been defined as follows: string description;
 - 5.1. Write a basic cin statement that reads in a one-word string
 - 5.2. Write a statement that reads in a string that can contain multiple words separated by blanks
- 6. Write the final value for each of the following expressions:
 - 6.1. 26 / 4 2
 - 6.2. 8 + 14 * 2 10
 - 6.3. 10 + 8 * 0
 - 6.4. 6+6%5-6
 - 6.5. 15 / (10 3)
 - 6.6. (15 3) * (4 2) / 4
- 7. Use the combined assignment operators to shorten/simplify the following statements:
 - 7.1. y = y + 5;
 - 7.2. value = value * data;
 - 7.3. tilt = tilt / slope;
 - 7.4. stock = stock loss;
- 8. Write a single line expression to generate a random number between 1 and 100.