

Exercise

CSC140 Foundations of Computer Science

24 February 2015

1. Describe two or three ways in which software differs from other kinds of products that engineers might design and build.
2. Find a good Web site that describes the Waterfall Model. Find a good Web site that describes Agile Development. Read on these sites to learn a little more about the two topics, then answer these questions.
 - (a) What are the most significant differences between the two approaches?
 - (b) Why should we prefer one approach over the other?
3. Write a program that...
 - (a) Creates a two dimensional array of boolean values.
 - (b) Assigns **true** or **false** to each element with a probability p for **true** and a probability $(1 - p)$ for **false**.
 - (c) Determines whether or not the bottom row of the array contains an elements whose value is **true**.