**Reading Log Files**

3 questions

1.Which one of the following is the correct code for the constructor **LogAnalyzer**?

ArrayList<LogEntry> records = new ArrayList<LogEntry>(filename);

records = new ArrayList<LogEntry>(filename);

ArrayList<LogEntry> records = new ArrayList<LogEntry>();

records = new ArrayList<LogEntry>();

2. Which one of the following is the best answer for the line in the method **readFile** that will use WebLogParser to parse a line from the file?

Assume that **line** is a String representing one line from the file.

LogEntry le = WebLogParser.parseEntry(line);

System.out.println(WebLogParser.parseEntry(line));

WebLogParser.parseEntry(line);

WebLogParser.parseEntry(line) = LogEntry le;

3. Suppose a new integer variable named **location** will be added as a private variable to the **LogEntry** class. This variable should be initialized as 0 just once when the object is created.

Where is the best location in the class to initialize this variable?

Initialize **location** in the constructor with the code:

int location = 0;

Initialize **location** when it is declared as a private variable, not in a method, as:

private int location = 0;

Initialize **location** in the constructor with the code:

location = 0;

Initialize **location** in the **readFile** method with the code:

location = 0;

Initialize **location** in the **readFile** method with the code:

int location = 0;