

## ECET 3810 – Practice Problem Set 4

1. Which of the following is not a valid layout manager?
  - a. BorderLayout
  - b. FlowLayout
  - c. GridBagLayout
  - d. No layout
  - e. CanvasLayout**
  - f. None of the above
  
2. Briefly describe (one or two sentences) one advantage of using an inner-class.

**An inner-class can share the same resources, such as global variables, as its outer-class.**

3. A thread created within a program creates:
  - a. a separate runnable object
  - b. a separate execution path
  - c. a new task for the microprocessor
  - d. a better performing program
  - e. all of the above**
  
4. Name the two pieces of data are required to describe a socket:
  - i) Port number**
  - ii) IP address**
  
5. A client server application can be written in Java using which two classes?
  - a. Socket and ClientSocket
  - b. Browser and ServerSocket
  - c. ClientSocket and ServerSocket
  - d. Socket and ServerSocket**
  - e. None of the above

6. The hexadecimal value 0050 was captured from the source computer using a network analyzer. What service was being requested by the source computer?
  - a. Telnet
  - b. Web server**
  - c. Database server
  - d. SSH
  - e. All of the above
  
7. Write the line of code required to set the layout of a GUI's content pane to a 5 by 4 grid.

```
getContentPane().setLayout(new GridLayout(5,4));
```