Level 5 Practice Exam

Name:	A & & & & & & & & & & & & & & & & & & &
GitHub username:	The LEAG of Amazing Program
1. Write a segment of Java code that takes a appends that message to a file that already e	-
2. What does the readLine() method in Java's the end of the file?	s BufferedReader class return when it has reached
3. Create a Java Thread that makes a robot of	draw a square and start the thread.
4. Create an object of the FileReader class the	nat will open a file named "dictionary.txt"

5. Use the following Stack to create a Stream object.
Stack <integer> nums = new Stack<integer>();</integer></integer>
6. Create a Stream object out of the following array and sort it.
double[] list = new double[1000];
// numbers are added to list here
7. Add an ActionListener to the following button using a lambda. Make it so the button exits the
program when clicked.
8. Create an example of a functional interface.
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9. What is the value of zed after the following code executes?
int zed = 4 << 2;

- 10. Convert the following binary numbers to decimal:
 - a) 101 = ____
 - b) 1001 = ____
 - c) 1011101 = ____
 - d) 110110 = _____
- 11. Convert the following decimal numbers to binary:
 - a) 4 = ____
 - b) 15 = ____
 - c) 100 = ____
 - d) 132 = ____
- 12. Answer the following:
 - a) 2 | 3 = ____
 - b) 3 & 7 = ____
 - c) 6 | 5 = ____
 - d) 9 & 9 = ____
 - e) 13 ^ 10 = ____
- 13. Create a ServerSocket object that will open at port 8080.

	14.	Consider	the	following	interface	and	method
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interface Module {
          void modulate(int amt, float val);
}

public void organize(Module m){
          //code
}
```

Call the organize method using a lambda to define the Module parameter.

15. Use the forEach method in the following Stream object to print the square root of each double in the stream.

Stream<Double> dubStream = //initialized here;