**1205**

**Review Questions and Exercises 1-24 pages 735-737.**

1. B
2. C
3. A
4. D
5. B
6. A
7. D
8. B
9. C
10. B
11. C
12. B
13. D
14. A
15. C
16. A
17. True
18. False
19. False
20. False
21. True
22. True
23. False
24. False

**Find the Error 1-3 pages 738**

1. The try block should be above the catch block
2. The finally block should be below the catch block
3. The last two exceptions have already been caught

**Algorithm Workbench 1-10 pages 739-740.**

1. B  
   D
2. B  
   D  
   E

|  |
| --- |
| public int indexOf(int value, int[] arr) throws Exception {  for (int i = 0; i < arr.length; ++i) {  if (arr[i] == value) return i;  }  throw new Exception("Element not found");  } |

|  |
| --- |
| throw new IllegalArgumentException("Argument cannot be negative."); |

|  |
| --- |
| class AnExceptionClass extends IllegalArgumentException {  public AnExceptionClass(String message) {  super(message);  }  } |

|  |
| --- |
| throw new AnExceptionClass("Argument cannot be negative"); |

|  |
| --- |
| public int getValueFromFile() throws IOException, FileNotFoundException |

|  |
| --- |
| try {  getValueFromFile();  } catch (FileNotFoundException e) {  System.out.println(“File not found :c”);  } catch (IOException e) {  System.out.println(“IO Exception :c”);  } |

|  |
| --- |
| FileOutputStream outStream = new FileOutputStream("Configuration.dat");  ObjectOutputStream outFile = new ObjectOutputStream(outStream); |

|  |
| --- |
| FileOutputStream outStream = new FileOutputStream("ObjectData.dat");  ObjectOutputStream outFile = new ObjectOutputStream(outStream);  Test r = new Test();  outFile.writeObject(r); |

**Short Answer 1-13 pages 740-741.**

1. An exception occurs
2. To receive an exception; to witness the throwing of an exception and clasp thy hand around it
3. The exception is thrown up the line
4. To execute after anything in the try/catch blocks have executed
5. In the catch block
6. Yes
7. Any that inherit from Throwable
8. When any code in the method may throw a checked exception
9. An unchecked exception may occur anytime\*, anywhere\*, a checked exception is one that is known where and when it will be thrown
10. Throw throws an exception, throws indicates that a method may throw an exception
11. One contains text and the other contains binary data
12. A sequential access file is a file that is used to access data sequentially (one by one), and a random access file is a file that is used to access any data at will (typically by index)
13. Convert it to binary data; Convert its binary data back to itself