**Exercise sheet – Quiz task**

**Week 2:**

1. In Java, an object is created from:
2. **a class**
3. a constructor
4. a name
5. a subclass
6. What are the parameters?
7. Variables in a method or block of code
8. Member variables in a class
9. **Variables in method declarations**
10. Member variables in a subclass
11. Which components can class declarations include? (choose more than 1 answer)
12. **Modifiers such as public, private, and a number of others that you will encounter later.**
13. **The class name, with the initial letter capitalized by convention.**
14. The name of the class's parent (superclass), if any, preceded by the keyword extends. A class can extend (subclass) parents.
15. **A comma-separated list of interfaces implemented by the class, if any, preceded by the keyword implements. A class can implement more than one interface.**
16. The class body, surrounded by braces, ()
17. Reorder three components that Field declarations are composed:
18. The field's name.
19. Zero or more modifiers, such as public or private.
20. The field's type.
21. a,b,c
22. **b,c,a**
23. c,b,a
24. a,c,b
25. What are the naming rules and conventions used for method and class names? (choose more than 1 answer)
26. **The first letter of a class name should be capitalized**
27. The first (or only) word in a method name should be a noun
28. **The first (or only) word in a method name should be a verb**
29. The name has spaces between words
30. ***this*** is a reference to the:
31. object
32. **current object**
33. class
34. constructor
35. What 2 components of a method declaration comprise the method signature?
36. **The method's name and the parameter types**
37. The method's code and the parameter list
38. An exception list and the return type
39. The return types and the method body
40. It is said that ***Overloading Methods which methods within a class can have the same name if they have different parameter lists***.
41. **True**
42. False
43. What method can you get the character at a particular index within a string?
44. String method
45. **charAt() accessor method**
46. substring method
47. indexOf() method
48. It is said that **the indexOf() methods search backward from the beginning of the string, and the lastIndexOf() methods search forward from the end of the string.**
49. True
50. **False**

**Explanation:** The indexOf() methods search forward from the beginning of the string, and the lastIndexOf() methods search backward from the end of the string.