1. String a = “” refers to an empty string while String a = null assigns a to no value.

2. == is a comparison operator while .equals() is a method. == is for referencing comparison but .equals() is for content comparison.

3. final: a keyword can be used with class, method and variable. Such that a final class cannot be instantiated, a final method cannot be overridden, and a final variable cannot be changed(reassigned).

finally: a keyword used to create a block that is always going to be executed, whether exception rises or not.

.finalize(): a method called by the garbage collector when an object is about to be destroyed to clean up the system space.

4.

|  |  |
| --- | --- |
| Abstract Class | Interface |
| Can have abstract and non-abstract value | Can only have abstract value and it is default static since Java 8 |
| Don’t support multiple inheritance | Supports multiple inheritance. |
| Can have final, non-final, static and non-static value. | Can have only final and static variable. |
| Can provide the implementation of interface. | Cannot provide the implementation of the Abstract Class. |
| The abstract keyword is used to declare the keyword. | The interface keyword is used to declare the keyword. |
| Can extend to other Java Classes and implement multiple Java interface using keyword “extend”. | Can extend another Java interface only using keyword “implement”. |
| Can have class member like private, protected etc. | Member of Java interface are public by default. |