Assignment 3 ---- Day 3 – Java Programming

1. Final vs. Finally vs. Finalize

Final:

Final is the keyword and access modifier which is used to apply restrictions on a class, method or variable.

Once declared final variable becomes constant and cannot be modified.

Final method cannot be overridden by sub class.

Final class cannot be inherited. If a class is declared as final then **by default** all of the methods present in that class are automatically final but **variables are not**.

Final method is executed only when we call it.

Finally:

Finally is the block in Java Exception Handling to execute the important code whether the exception occurs or not.

Finally block runs the important code even if exception occurs or not.

Finally block is executed as soon as the try-catch block is executed.

The finally block will be executed after the try and catch blocks, but before control transfers back to its origin.

It is a reserved keyword.

Finalize:

Finalize is the method in Java which is used to perform clean up processing just before object is garbage collected.

Finalize () method is used with the objects.

Finalize method performs the cleaning activities with respect to the object before its destruction.

Finalize method is executed just before the object is destroyed.

It is **not** a reserved keyword.