Final, Finally and Finalize

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| **No.** | **final** | **finally** | **finalize** |
| 1) | Final is used to apply restrictions on class, method and variable. Final class can't be inherited, final method can't be overridden and final variable value can't be changed. | Finally is used to place important code, it will be executed whether exception is handled or not. | Finalize is used to perform clean up processing just before object is garbage collected. |
| 2) | Final is a keyword. | Finally is a block. | Finalize is a method. |

1. **class** FinalExample{
2. **public** **static** **void** main(String[] args){
3. **final** **int** x=100;
4. x=200;//Compile Time Error
5. }}
6. **class** FinallyExample{
7. **public** **static** **void** main(String[] args){
8. **try**{
9. **int** x=300;
10. }**catch**(Exception e){System.out.println(e);}
11. **finally**{System.out.println("finally block is executed");}
12. }}
13. **class** FinalizeExample{
14. **public** **void** finalize(){System.out.println("finalize called");}
15. **public** **static** **void** main(String[] args){
16. FinalizeExample f1=**new** FinalizeExample();
17. FinalizeExample f2=**new** FinalizeExample();
18. f1=**null**;
19. f2=**null**;
20. System.gc();
21. }}