Final vs Finally vs finilaize:

Final:

1.to declare a constant variable

i.e.its value cannot be changed at all and remain fixed

how to?

Final int i=10; //using final keyword

2.to prevent inheritance

i.e.child class cannot inherit/extend parent class properties.

How to?

Public final class parentclass //using final keyword infront of parentclass name

{

}

3.to prevent method overriding:

i.e.any methos in the parent class cannot be overridden by a child class

how to?

Public final void start() //using final keyword with methodname

{

}

Finally:

It is used in association with try..catch block

Finally block always executes the code written in it even if there is an exception or not

e.g:in selenium,we can use finally block to execute the code below:

driver.quit();

i.e.whatever happens to the prog,finally,the driven should be quit

Finalize:

It is associated with garbage collector

It is similar to destructor in C++.

It is used to clean up the memory i.e.any variables/objects without ant reference in it

e.g: g1=null; 🡪obj with no ref

in that case,garbage collector will destroy these objects.’

How to call garbage collector?

System.gc();

Note:Finalize method shd be used bfr garbage collector just to clean up the memory,which can be called automatically without calling in the main method.

Public void finalize()

{

}