# **Final**

Final is a non-access modifier and can be applied to variables, methods and classes.

Final Variable – Can not change the variable or assign new values.

Final Methods – Can not do method overriding for these.

Final Classes – Can not inherit these classes.

Fanal Variables: Final variables can not be changed and if you try to change them you will get a compilation error “The final field cannot be assigned”.

Example:

**package** FPPackage;

**public** **class** FinalKeywordEx {

**final** String str = "Subbu's Selenium Tutorials";

**public** **static** **void** main(String[] args) {

FinalKeywordEx fke = **new** FinalKeywordEx();

System.***out***.println("Final variable a is "+ fke.str);

fke.str = "Java and selenium tutorials";//Error: The final field FinalKeywordEx.str cannot be assigned

}

}

Final Methods: Final methods cannot be overridden. It gives an error that “Cannot override the final method from parent”.

Example:

**package** FPPackage;

**class** ParentClass {

**public** **final** **void** methodA() {

System.***out***.println("This is final method");

}

}

**public** **class** FinalKeywordEx **extends** ParentClass{

**public** **final** **void** methodA() { //Error: Cannot override the final method from ParentClass

System.***out***.println("Final method can't be overridden");

}

**public** **static** **void** main(String[] args) {

}

}

Final Class: Final classes cannot be inherited. If you try to inherit them, you will get the error “The type child class cannot subclass the final class parent class”

Example:

**package** FPPackage;

**final** **class** ParentClass {

}

**public** **class** FinalKeywordEx **extends** ParentClass{ //Error: The type FinalKeywordEx cannot subclass the final class ParentClass

**public** **static** **void** main(String[] args) {

}

}