Variables:

1. Instance/non-static- directly declared under a class
2. Static/class- directly declared under a class with static keyword
3. Local- declared inside a method and must be initialised before using.
4. **public** **class** Variables {
5. **static** **int** *i* = 1;
6. **int** j = 2;
7. **public** **void** main() {
9. **int** i = 10;
10. **int** j = 20;
11. System.***out***.println("Value of i: "+ Variables.*i*);
12. System.***out***.println("Value of j: "+ **this**.j);
13. }
14. **public** **static** **void** main(String[] args) {
15. Variables variables = **new** Variables();
16. variables.main();
17. System.***out***.println(*i*);
18. }
19. }

Take this example 1st

**public** **class** Variables {

**static** **int** *i*;

**int** j;

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

Variables.*i* = 10;

System.***out***.println(Variables.*i*);

Variables variables = **new** Variables();

variables.j = 20;

System.***out***.println(variables.j);

}

}

Take another example

**public** **class** Variables {

**static** **int** *i*;

**int** j;

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

Variables v1 = **new** Variables();

Variables v2 = **new** Variables();

v1.*i* = 10;

v2.*i* = 20;

System.***out***.println(v1.*i*);

System.***out***.println(v2.*i*);

System.***out***.println(Variables.*i*);

}

}

Diff between variables: assigment