

PRACTICAL:15

AIM: Write a program in Java to demonstrate the use of 'final' keyword in the field declaration. How it is accessed using the objects.

FINAL: final is a non-access modifier applicable only to a variable, a method or a class.

Final Variable:

- When a variable is declared with final keyword, its value can't be modified, essentially, a constant.

Final Class:

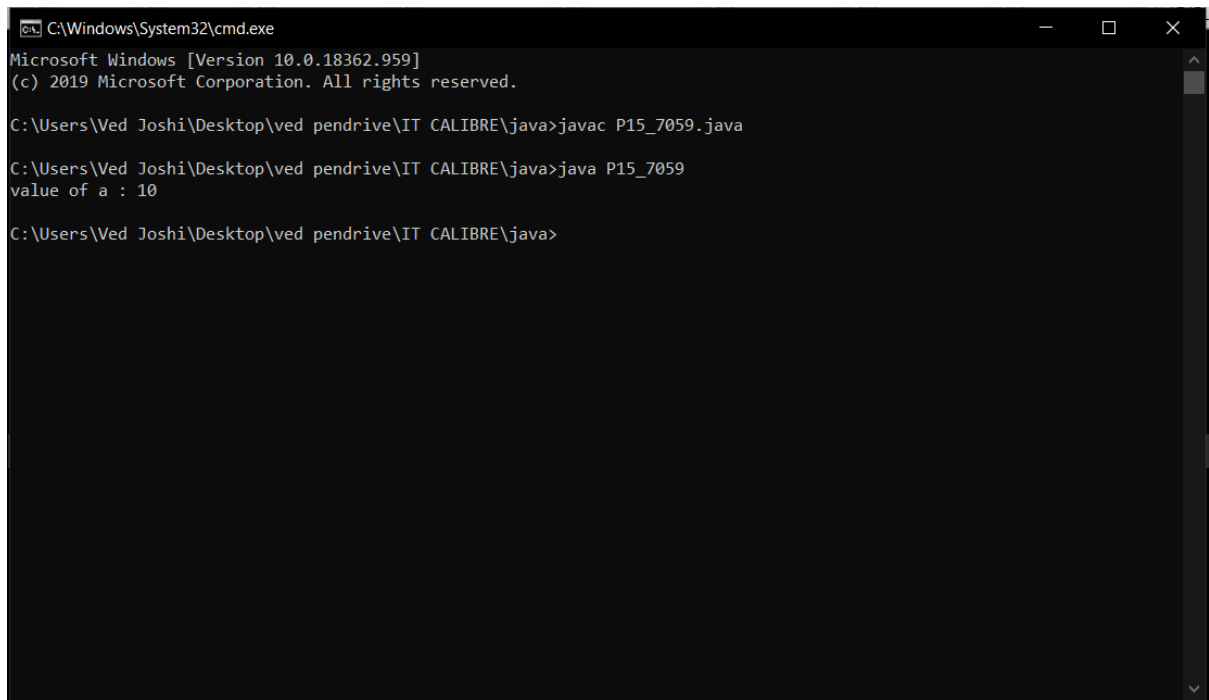
- The main purpose of using a class being declared as final is to prevent the class from being subclasses.
- If a class is marked as final then no class can inherit any feature from the final class.
- We cannot extend a final class.

Final Method:

- A final method cannot be overridden by any subclasses.
- The final modifier prevents a method from being modified in a subclass.
- The main intention of making a method final would be that the content of the method should not be changed by any outsider.

PROGRAM:

```
final class P15_7059
{
    final int a=10;
    final void Method()
    {
        System.out.println("value of a : "+a);
    }
    public static void main(String args[])
    {
        P15_7059 obj=new P15_7059();
        obj.Method();
    }
}
```

OUTPUT:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.18362.959]
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C:\Users\Ved Joshi\Desktop\ved pendrive\IT CALIBRE\java>javac P15_7059.java

C:\Users\Ved Joshi\Desktop\ved pendrive\IT CALIBRE\java>java P15_7059
value of a : 10

C:\Users\Ved Joshi\Desktop\ved pendrive\IT CALIBRE\java>
```