```
// Java program to show the usage of Outer Class and "static Nested class" and their object
creation
Points to remember
Outer Class must not be static in any case.
Every class is a separate entity and can access other class variables and method i.e. in order
of parent child relationship where child (Inner Nested class) can access variable and method of
Outer Class but Outer Class can't access variable and method of Inner class.
Here Inner class is static therefore entire thing is static
class OuterClass
    static int a=100;
    int c=300;
    static void output()
        //input();
                       //static method of OuterClass can't refer to static method of
        InnerClass because
        //for OuterClass input doesn't exist because it is a kind if super/parent class and in
        java parent don't have access to child class, no jump in hierarchy is accepted.
        System.out.println("This is OuterClass method ");
    }
    void get()
        System.out.println("This is non-static OuterClass method ");
    static class InnerClass
    {
        static int b=200;
        static void input()
            System.out.println("This is static InnerClass static method ");
            //System.out.println("value of static variable 'a' of static InnerClass static
            method = "+a);
                                 //static method can't refer to non-static variable
            //disp();
                            //static method can't refer to non-static method
                            //static method of InnerClass can refer to static method of
            OuterClass but reverse can't happen
            System.out.println("value of static variable 'b' of static InnerClass static method
            = "+b);
        }
        void disp()
            System.out.println("value of static variable 'a' of OuterClass called in InnerClass
            non- static method = "+a); //allowed because InnerClass and variable 'a' of
            OuterClass are static.
            //System.out.println("value of static variable 'c' of OuterClass called in
            InnerClass non- static method = "+c);
                                                        // Not allowed because InnerClass is
            System.out.println("This is non-static InnerClass method ");
```

Output

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C:\Users\Dhruv\Desktop\Java>java Static_Nested_Class
This is OuterClass method
value of static variable 'a' of OuterClass called in InnerClass non- static method = 100
This is non-static InnerClass method
This is static InnerClass static method
This is OuterClass method
value of static variable 'b' of static InnerClass static method = 200
```