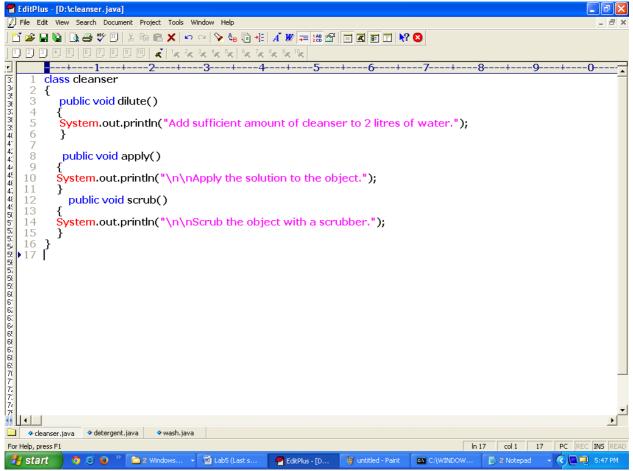
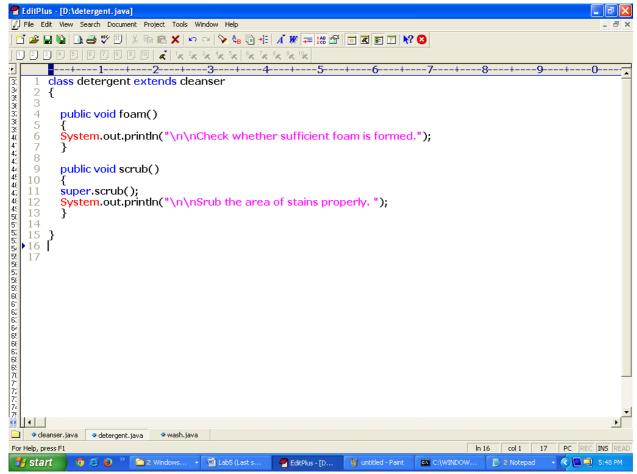
## **Lab-5 Assignments**

Introducing Inheritance (is a a type of relationship)

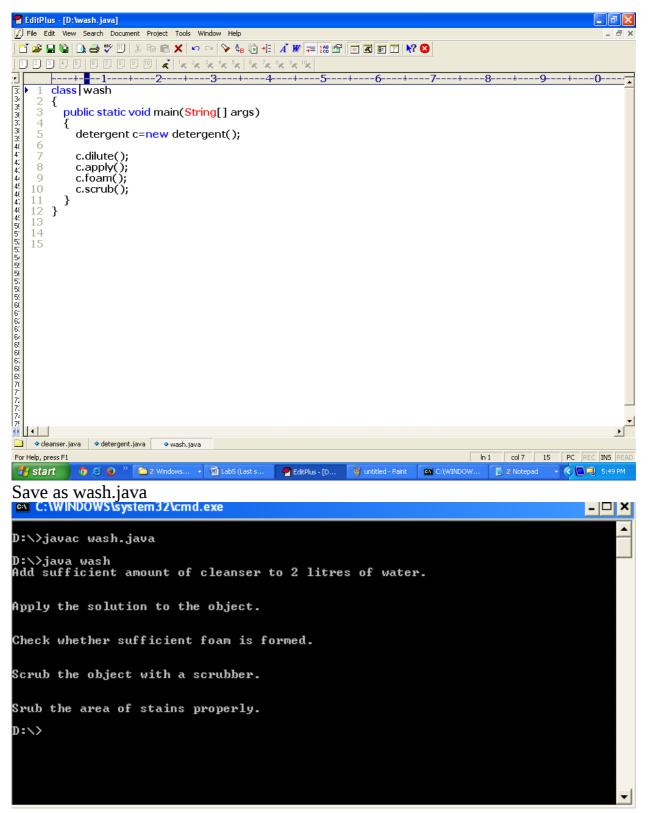
**Demo for Inheritance** 



Save as cleanser.java



Save as detergent.java



Demo2

```
EditPlus - [D:\C.java]
 🏿 File Edit View Search Document Project Tools Window Help
 class A
     {System.out.println("\n\nInside A's default constructor. ");}}
     class B
{
     {System.out.println("\n\nInside B's default constructor. ");}}
      class C extends A
        B b1=new B();
  17
18 pu
19
20
21
22
23
24
25 };
     public static void main(String args[])
          C c1=new C();
       }
In 9 col 1 26 PC REC INS R
 🦺 start 📄 🧿 😂 🥙 🐣
                          🔻 👜 Lab5 - Mi...
                                   editPlus -...
                                                                     → ② 2 Firefox → ∢ ◎ ◎ 6:07 PM
Save as C.java
                                                                                    _ 🗆 ×
 C:\WINDOWS\system32\cmd.exe
D:∖>javac C.java
D:∖>java C
Inside A's default constructor.
Inside B's default constructor.
D:\>
Assignments To Solve
    1. Write class game{ }
       class boardgame extends game{ }
       class chess extends boardgame{ }
       class gamedemo{
       public static void main(String[] args)
                                                {
       chess ch=new chess();
                                  }
    }
```

(Note: Write only default constructors in each class with specific information . See the order of constructors invoked when chess object is created)

- 2. Create class WageEmployee extending Employee class with attributes as hrs (int)and rate(int) and method computeSalary() to calculate the salary.Print the salary and details of WageEmployee.
  - (Note: Use the previous date and Employee classes. Accept the values from the user..Default, Parameterised Constructor and toString() to be written in all the classes)
- 3. Create SalesPerson class extending WageEmployee with attributes as sales(int) and commission (int). Overide the ComputeSalary() in Salesperson class and print the salary and details of SalesPerson
- 4. Create Manager class extending Employee class with attributes as fixedsalary(int) and incentives(int) and method computeSalary() to calculate the salary of Manager .Print the salary and details of Manager
- 5. Write a TestEmployee class to print the details of all types of employees (use array[] of Employee class)