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| EXPERIMENT 7 |
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|  |
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Ans 1-

public class ans1 {

    static abstract class base{

        abstract *void* print();

        base(){

            print();

        }

    }

    static class derived extends base{

*int* num = 69;

*void* print(){

            System.out.println("num: "+num);

        }

    }

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

        derived d = new derived();

        d.print();

    }

}

Output-



Ans 2-

public class ans2 {

    interface tempinterface{

*void* method1();

    }

    static class tempclass implements tempinterface{

        public *void* method1(){

            System.out.println("Public method 1");

        }

    }

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

        tempclass t = new tempclass();

        t.method1();

    }

}

Output-



Ans 3-

public class ans3 {

    interface A{

*void* A1();

*void* A2();

    }

    interface B{

*void* B1();

*void* B2();

    }

    interface C{

*void* C1();

*void* C2();

    }

    interface D extends A, B, C{

*void* D1();

    }

    static class temp implements D{

        public *void* A1(){

            System.out.println("Function A1");

        }

        public *void* A2(){

            System.out.println("Function A2");

        }

        public *void* B1(){

            System.out.println("Function B1");

        }

        public *void* B2(){

            System.out.println("Function B2");

        }

        public *void* C1(){

            System.out.println("Function C1");

        }

        public *void* C2(){

            System.out.println("Function C2");

        }

        public *void* D1(){

            System.out.println("Function D1");

        }

    }

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

        temp t = new temp();

        t.A1();

        t.B1();

        t.C1();

        t.D1();

    }

}

Output-

