|  |
| --- |
|  |
| EXPERIMENT 5 |
|  |
|  |
| **Vansh Sukhija**  **12112021** |
|  |

|  |
| --- |
|  |

Ans 1-

import java.util.\*;

public class ans1 {

    static class A{

        A(){

            System.out.println("Constructor for A");

        }

    };

    static class B{

        B(){

            System.out.println("Constructor for B");

        }

    };

    static class C extends A{

        B temp;

    }

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

        C temp = new C();

    }

}

Output-



Ans 2-

import java.util.\*;

public class ans2 {

    static class base{

        base(*int* *a*){

            System.out.println("Base is constructed");

        }

    };

    static class derived extends base{

        derived(){

            super(10);

            System.out.println("Default constructor of Derived");

        }

        derived(*int* *a*){

            super(*a*);

            System.out.println("Non-Default constructor of Derived");

        }

    };

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

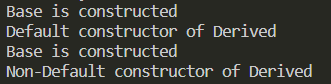
        derived d = new derived();

        derived de = new derived(69);

    }

}

Output-



Ans 3-

import java.util.\*;

public class ans3 {

    static class base{

*void* meth(){

            System.out.println("Method 1");

        }

*void* meth(*int* *a*){

            System.out.println("Method 2");

        }

*void* meth(*int* *a*, *int* *b*){

            System.out.println("Method 3");

        }

    };

    static class derived extends base{

*void* meth(*double* *a*){

            System.out.println("Method 4");

        }

    };

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

        derived d = new derived();

        d.meth();

        d.meth(10);

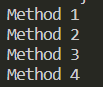
        d.meth(10, 20);

        d.meth(0.69);

    }

}

Output-



Ans 4-

import java.util.\*;

public class ans4 {

    static class A{

        final *void* printf(){

            System.out.println("printf() of class A");

        }

    }

    static class B extends A{

*void* printf(){

            System.out.println("printf() of class B");

        }

    }

    static final class C{

*void* temp(){

            System.out.println("Method of final class C");

        }

    }

    static class D extends C{

*void* doratheexplorer(){

            System.out.println("Method of class D inherited by C");

        }

    }

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

        A a = new A();

        a.printf();

        B b = new B();

        b.printf();

        C c = new C();

        c.temp();

        D d = new D();

        d.doratheexplorer();

    }

}

Output-

