//Inheritance

class A

{

void add()

{

System.out.println(" Class A ---> Hai ");

}

}

class B extends A

{

}

class C extends A

{

void add()

{

System.out.println(" Class C ---> Welcome ");

}

}

class Demo4

{

public static void main(String aa[])

{

new A().add();

new B().add();

new A(){}.add();

new C().add();

new A()

{

void add()

{

System.out.println(" Anonymous Class ---> Good noon! ");

}

}.add();

A s1 = new A()

{

void add()

{

System.out.println(" Anonymous Class ---> Good evening! ");

}

};

s1.add();

}

}

class A

{

void add()

{

System.out.println(" Hai ");

}

}

class B extends A

{

void add()

{

System.out.println(" Welcome ");

}

}

class Demo4

{

public static void main(String aa[])

{

A s1=new A();

A s2=new B();

B s3=new B();

s1.add();

s2.add();

s3.add();

}

}

class A{

void add(){

System.out.println(" Class A ---> Hai ");

}

}

class B extends A{

}

class C extends A{

void add(){

System.out.println(" Class C ---> Welcome ");

}

}

class Demo5{

public static void main(String aa[]){

new A() { };

new A().add();

new B().add();

new C().add();

new B(); // Anonymous Object of class B.

new A(); // Anonymous Object of class A.

new A() { }; //class A is extended into Anonymous Class.

new A() { }; // Anonymous Object of Anonymous Class.

new A() { }; // Its acting as a Sub-class of A and Sub-class Object of class A.

new A() { }; // Sub-class Object of class A

new B(); // Sub-class Object of class A

new A() { }.add();

new B().add();

A ob1 = new B();

A ob2 = new A(){};

new A(){

void add(){

System.out.println(" Anonymous Class Overriding ");

}

}.add();

new A(){}.add();

new C().add();

new A(){

void add()

{

System.out.println(" Anonymous Class ---> Good noon! ");

}

}.add();

A s1 = new A(){

void add()

{

System.out.println(" Anonymous Class ---> Good evening! ");

}

};

s1.add();

}

}