**package** proj1;

**public** **class** outerClass {

**private** String name="peter";

**class** innerClass{

**void** show() {

System.***out***.println(name+" "+"Welcome to java training session");

}

}

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

// **TODO** Auto-generated method stub

outerClass oc=**new** outerClass();

outerClass.innerClass ic=oc.**new** innerClass();

ic.show();

}

}

**package** proj1;

**public** **class** icTest {

**private** String message="hello peter";

**void** show1() {

**class** msgTest{

**void** message() {

System.***out***.println(message);

}

}

msgTest mt=**new** msgTest();

mt.message();

}

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

// **TODO** Auto-generated method stub

icTest icT=**new** icTest();

icT.show1();

}

}

//Anonymous class

**package** proj1;

**public** **class** innerClassTest3 {

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

// **TODO** Auto-generated method stub

//anonymous class

aClass ac1=**new** aClass(){

**public** **void** show() {

System.***out***.println("anonymous class");

}

};

ac1.show();

}

}

**abstract** **class** aClass{

**public** **abstract** **void** show();

}