**package** cn.prototype;

/\*\*

\* 克隆要实现cloneable接口

\* **@author** Administrator

\*

\*/

**public** **class** Student **implements** Cloneable {

**private** String name;

**private** **int** id;

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

@Override

**protected** Object clone() **throws** CloneNotSupportedException {

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

**return** **super**.clone();

}

}

**package** cn.prototype;

**public** **class** CloneTest {

/\*\*

\* **@param** args

\* **@throws** CloneNotSupportedException

\*/

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

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

Student stud1 = **new** Student();

stud1.setId(10);

stud1.setName("jack");

Student stud2 = (Student) stud1.clone();

stud2.setName("mary");

System.*out*.println(stud2.getName());

System.*out*.println(stud2.getId());

}

}

**package** cn.prototype;

**import** java.util.Date;

/\*\*

\* deepclone针对引用型而言

\* **@author** Administrator

\*

\*/

**public** **class** DeepCloneTest {

/\*\*

\* **@param** args

\* **@throws** CloneNotSupportedException

\*/

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

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

Student2 stud = **new** Student2();

stud.setD(**new** Date(434343433));

System.*out*.println(stud.getD());

Student2 stud1 = (Student2) stud.clone();

stud.setD(**new** Date(34343434));

System.*out*.println(stud.getD());

System.*out*.println(stud1.getD());

}

}

**package** cn.prototype;

**import** java.util.Date;

**public** **class** Student2 **implements** Cloneable{

**private** Date d;

**public** Date getD() {

**return** d;

}

**public** **void** setD(Date d) {

**this**.d = d;

}

**private** String name;

**private** **int** id;

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

@Override

**protected** Object clone() **throws** CloneNotSupportedException {

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

Object obj = **super**.clone();

Student2 stud1 = (Student2)obj;

stud1.d.clone();

**return** obj;

}

}