**Polymorphism**

**public** **class** Base {

**protected** **int** i = 100;

**public** **void** display() { System.*out*.println( i );

} }

**public** **class** Doubler **extends** Base {

**public** **void** display() {System.*out*.println( i\*2 );

} }

**public** **class** Tripler **extends** Base {

**public** **void** display() {

System.*out*.println(i\*3 );

} }

**public** **class** Squarer **extends** Tripler {

**public** **void** display() {System.*out*.println( i\*i );

} }

**public** **class** Test {

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

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

Base B = **new** Base();

B. display();

Doubler D = **new** Doubler();

D. display();

Tripler T = **new** Tripler();

T. display();

Squarer S = **new** Squarer();

S. display();

}

}

Output:

100

200

300

10000