We have two classes: SuperB and SubC. SuperB is the superclass, and SubC is the subclass that extends SuperB.

In the SuperB class:

It has an instance variable x, which is an integer.

It has several methods: setIt, increase, triple, and returnIt.

setIt method sets the value of x to the given parameter n.

increase method increments the value of x by 1.

triple method multiplies the value of x by 3.

returnIt method returns the value of x.

In the SubC class:

It extends SuperB, which means it inherits all the instance variables and methods from the superclass.

It overrides the triple method from the superclass. Instead of multiplying x by 3, it adds 3 to the value of x.

It also has a new method called quadruple, which multiplies the value of x by 4.

In the TestInheritance class (the main class):

It creates an object b of the superclass SuperB.

It sets the value of x to 2 using the setIt method.

It increases the value of x by 1 using the increase method.

It triples the value of x by 3 using the triple method.

It prints the value of x using the returnIt method, which will output 9 (2 + 1 = 3, 3 \* 3 = 9).

It then creates an object c of the subclass SubC.

It sets the value of x to 2 using the setIt method (this sets x to 2 again).

It increases the value of x by 1 using the increase method (now x becomes 3).

It triples the value of x by 3 using the triple method (now x becomes 6, not 9 because the method in the subclass overrides the one in the superclass).

It prints the value of x using the returnIt method, which will output 6.

Output – 9, 6