Create a class with a method that prints "This is parent class" and its subclass with another method that prints "This is child class". Now, create an object for each of the class and call  
1 - method of parent class by object of parent class  
2 - method of child class by object of child class  
3 - method of parent class by object of child class

CODE:

import java.util.Scanner;

// Parent class

class Parent {

// Method in parent class

public void printParent() {

System.out.println("This is parent class");

}

}

// Subclass inheriting from Parent

class Child extends Parent {

// Method in child class

public void printChild() {

System.out.println("This is child class");

}

}

public class ParentClass {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Creating objects of parent and child classes

Parent parentObj = new Parent();

Child childObj = new Child();

// Method of parent class by object of parent class

parentObj.printParent();

// Method of child class by object of child class

childObj.printChild();

// Method of parent class by object of child class

childObj.printParent(); // Child class can access methods of parent class

scanner.close(); // Closing the scanner object

}

}

OUTPUT:

C:\javap>javac ParentClass.java

C:\javap>java ParentClass

This is parent class

This is child class

This is parent class

