

Practical-3

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Title: Create a Java program demonstrating single inheritance where a subclass extends a superclass and calls its methods.

INPUT:-

```
class parent
{
    String name;
    int age;
    public void info(String n, int a)
    {
        name=n;
        age=a;
    }
    public void display()
    {
        System.out.println("this is the parent class\nhere name and age is given\n\n");
    }
}

class child extends parent
{
    String cname;
    child(String c)
    {
        this.cname=c;
    }
    public void show()
    {
        System.out.println("inside child class");
        System.out.println("the name of the child is:"+cname);
        System.out.println("Parent Name: " + name + " , Parent Age: " + age);
    }
}

public class Inheritance
{
    public static void main(String[] args)
    {
        System.out.println("inside main class");
        child obj = new child("xyz");
        obj.info("ABCD",45);
        obj.display();
        obj.show();
    }
}
```

OUTPUT:

```
inside main class
this is the parent class
here name and age is given

inside child class
the name of the child is:xyz
Parent Name: ABCD, Parent Age: 45
PS C:\M\1\1\55\881>
```