```java
//To show the usage of abstract class and abstract method with inheritance (TWO CLASSES only) in
java

abstract class A
{
                                        // abstract class can be without an abstract method and
                                        regular method or without both

}
        //or

abstract class A                    // abstract class can be with an abstract method and regular
method or with both
{
    abstract void input();
    void output()
    {
        System.out.println("this  class A function");
    }

}
class B extends A
{
    void input()
    {
        System.out.println("this is abstract class function implementation");

    }
}

class Abstract_Main
{
    public static void main(String args[])
    {
        B obj=new B();
        obj.input();
        obj.output();
    }
}

/*

Question- Why to create an abstract class without an abstract method and regular method or
without both means an empty class?

Ans- Just to maintain the hierarchy of inheritance.

NOTE- abstract keyword cannot be used with variables and constructor. Not allowed in java.

*/
```

Output

```
C:\Users\Dhruv\Desktop\Java>java Abstract_Main
this is abstract class function implementation
this  class A function
```