
LAB 8

Program to illustrate method overriding

Definitions

Overriding – When a child class and a parent class have the same method, but the method does different things, it is called method overriding. The method of the parent class can be accessed by objects of parent class, and methods of the child class are accessed by objects of the child class.

Code

```
/* Program to illustrate
method overriding */

class Store {

    public Store() {
        System.out.println("Welcome to the store!");
    }

    public void Sell() {
        System.out.println("This is a general store.");
        System.out.println("It sells everything");
    }

    protected void Exit() {
        System.out.println("Thank you for visiting");
    }
}

class BookStore extends Store {

    public BookStore() {
        System.out.println("This one is a book store");
    }

    public void Sell() {
        System.out.println("It sells books and stationary");
    }
}

public class Lab8 {
    public static void main(String[] args) {
```

```
Store S = new Store();  
S.Sell();  
S.Exit();  
System.out.println();  
  
BookStore BS = new BookStore();  
BS.Sell();  
BS.Exit();  
System.out.println();  
}  
}
```

Output

```
PS D:\NITJ\Sem 4\Java\Lab 8> javac Lab8.java  
PS D:\NITJ\Sem 4\Java\Lab 8> java Lab8  
Welcome to the store!  
This is a general store.  
It sells everything  
Thank you for visiting  
  
Welcome to the store!  
This one is a book store  
It sells books and stationary  
Thank you for visiting  
  
PS D:\NITJ\Sem 4\Java\Lab 8> 
```