

## 7. Writing a program in Java to verify the implementation of inner classes

```
public class OuterClass {  
    private int x = 10;  
  
    // Inner class definition  
    public class InnerClass {  
        public void printX() {  
            System.out.println("The value of x is " + x);  
        }  
    }  
  
    public static void main(String[] args) {  
        // Create an instance of the outer class  
        OuterClass outer = new OuterClass();  
  
        // Create an instance of the inner class  
        OuterClass.InnerClass inner = outer.new InnerClass();  
  
        // Call the method in the inner class to print the value of x  
        inner.printX();  
    }  
}
```

OUTPUT:

The value of X is 10