

9. What is wrong in the following code?

```
public class Test {  
    private int id;  
    public void m1() {  
        this.id = 45;  
    }  
    public void m2() {  
        Test.id = 45;  
    }  
}
```

First method m2 have syntax error "Test.id = 45;" because id is non static.

Second useless using "this" in the code.

Third useless using m2 method because m1 method is doing the same function.

8. What are the benefits of data field encapsulation?

- **For Security:** Users will have no idea how classes are implemented
- They will know that values are passed and initialized.

- **Flexibility:** Enables you to set variables or get variables.
- So, if the code is huge you can minimize it easily.

- **Easy to reuse:** With encapsulation, it's easy to change and adapt to new requirements.