ENCAPSULATION

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Introduction

Encapsulation is the process of hiding the internal details of an object or function from the outside world, and restricting access to only the necessary components through a well-defined interface.

Benefits Of Encapsulation

- Data Hiding
- > Reusable
- Easy Modification
- > Easy Maintenance



How to do Encapsulation?

- > Declare the variables as private
- Provide public setter and getter method to modify and get the variables value.

Encapsulation Example

```
public class Student {
private String name;
private int id;
public void setName ( String name ) {
          this.name = name;
public String getName ( ) {
           return name;
public void setID (int id) {
          this.id = id;
public int getID(){
           return id;
```

```
public class EncapTest {
  public static void main(String[] args) {
          Student obj= new Student ();
          obj.setName("Carlord");
          obj.setID(4895);
          System.out.println (obj.getName ());
          System.out.println (obj.getID ());
```

Conclusion

Encapsulation is the one of the important feature of oop. It is used to wrap the data and function together in a single unit. Thus, it also provide interindependencies.



Reference:

- √ https://youtu.be/5zanUOGTzk8
- ✓ https://www.programiz.com/java-programming



Thank You