## I.T.a

## **Encapsulation Example**

- Demonstrate one example of encapsulation that you have written in a program.

Encapsulation means that the internal representation of an object is hidden from the outside.

Only the object can interact with its internal data. Public methods can be created to open a defined way to access the logic inside an object.

```
package cards;
public class Card
₹
  private RankType rank;
  private SuitType suit;
  public Card(RankType rank, SuitType suit) {
    this.rank = rank;
    this.suit = suit;
  public RankType getRank(){
    return this.rank;
  public SuitType getSuit(){
    return this.suit;
  public int getValue()
      int value;
      switch (rank){
        case ACE:
                  value = 1;
           breaks
        case TWO: value = 2;
           break;
        case THREE: value = 3;
           break;
        case FOUR: value = 4;
           break;
```