

## 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.

```
// Deck constructor -----  
public Deck()  
{  
    this.deck = new ArrayList<Card>();  
}  
  
// Return the Deck -----  
public ArrayList<Card> getDeck()  
{  
    return this.deck;  
}  
  
// make the deck from the Suit and Rank -----  
public void makeDeck()  
{  
    for( SuitType suit : SuitType.values())  
    {  
        for ( RankType rank : RankType.values())  
        {  
            deck.add(new Card(rank, suit));  
        }  
    }  
}
```