

## Evidence for Implementation and Testing Unit.

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**I.T. 1 - Demonstrate one example of encapsulation that you have written in a program.**

**I.T. 2 - Example the use of Inheritance in a program.**

**I.T. 3 - Example of Searching.**

A function to search all films in a database, followed by the function running in the terminal.

```
def self.map_items(film_data)
  result = film_data.map { |film| Film.new(film) }
  return result
end

def self.all()
  sql = "SELECT * FROM films"
  film_data = SqlRunner.run(sql)
  return Film.map_items(film_data)
end
```

```
[1] pry(main)> Film.all
=> [#<Film:0x007fb564890280 @id=29, @price=3, @title="Everest">,
    #<Film:0x007fb56488baf0 @id=30, @price=4, @title="Constantine">]
```

## I.T. 4 - Example of Sorting.

A function to find films a customer has booked to see, followed by the function running in terminal.

```
def films()  
  sql = "SELECT films.*  
  FROM films  
  INNER JOIN tickets  
  ON tickets.film_id = films.id  
  WHERE customer_id = $1"  
  values = [@id]  
  film_data = SqlRunner.run(sql, values)  
  return Film.map_items(film_data)  
end
```

```
[[1] pry(main)> customer1.films  
=> [#<Film:0x007f88848800b8 @id=31, @price=3, @title="Everest">]
```