

# Tecniche di Progettazione: Design Patterns

Esercitazione

# Exercise

## Visitor & Composite

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Given the following classes

```
class Red {...}
```

```
class Blue {...}
```

```
class Green {...}
```

Assume an array “colors” contains mixed objects from the above 3 classes.

We want to the following:

1. To find number of Red, Blue, and Green objects, respectively, in the array.
2. To create another array “sortedColors” which contains the same objects as in “colors” but sorted according to their colors in red-blue-green order.

Using Visitor pattern to implement the above two operations. You need to write abstract and concrete Visitor classes, modify Red, Blue, Green classes, and write a main program to use a Visitor object to perform each of the operations.

# Hint

