Static Method - Ruby example

More Classes and Objects example from a Well House Consultants training course
More on More Classes and Objects [link]
This example is described in the following article(s):
   • Object Orientation in Ruby - intermediate examples - [link]
Source code: d4_4 Module: R108

```ruby
# Static Method in Ruby

class Public_transport
     @@optcount = 0
     def initialize(destiny,deptime)
          @destiny = destiny
          @deptime = deptime
          @@optcount += 1
          @my_id = @@optcount
          end
     def getdest()
          return @destiny
          end

     # Turn getoc into a STATIC (or class) method as it runs
     # only on variables shared by all class members
     def Public_transport.getoc()
          return @@optcount
          end

     def getid()
          return @my_id
          end
end

# There is a different destination for each piece of transport
# as the variable to hold the destination has just one @

# There is a SINGLE VALUE holding the number of pieces of transport
# as the variable to hold the number has two @ characters

outbound = []
```

```
# For this first example, write into code - later, read from file
outbound.push(Public_transport.new("Swindon","07:17"))
outbound.push(Public_transport.new("Chippenham","07:24"))
outbound.push(Public_transport.new("Westbury","06:40"))
outbound.push(Public_transport.new("Bath","07:12"))

for option in outbound
    # Object (dynamic) methods are run on an object ...
    # Class (static) methods are run on the class as a whole ...
    print "#{option.getdest} "
    print "option #{option.getid} of #{Public_transport.getoc}\n"
    end
```

Learn about this subject

This module and example are covered on the following public courses:

 * [Learning to program in Ruby](#)
 * [Ruby Programming](#)

Also available on [on site courses](#) for larger groups

Books covering this topic

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Other Examples

This example comes from our "More Classes and Objects" training module. You'll find a description of the topic and some other closely related examples on the ["More Classes and Objects" module index page](#).

Full description of the source code

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