

# Background and Objectives

---

- A deeper look into methods and how you can use them inside other methods.
- An introduction to constants and how they differ from variables.
- Understand how to integrate array elements from different arrays into a single string.

You're Awesomo 4000. A robot conceived by Japanese scientists to supply Hollywood with awesome movie plot ideas. You have inside of you, a list of actors, settings and plot twists that will generate the plot for a great new movie.

## Specs

---

### Plot Generator

- Implement the `#plot_generator` method defined in the `lib/awesomo.rb` file. It should return a string of a movie plot.

### Constants

A constant is similar to a variable, but it can be used inside a method definition. So in this example method:

```
BEST_NUMBER = 6

def my_favorite_number
  return BEST_NUMBER
end
```

`my_favorite_number` will return 6. A variable in the place of `BEST_NUMBER` would result in an error, as variables declared outside a method definition are not accessible inside of it.

The way you define a constant in ruby is similar to defining a variable, but you use all caps to write its name. `GREETING = "Hello there"` is an example of defining a constant.

In this exercise, the constants are already defined for you, so you're free to use them inside your methods.

### Methods in other methods

You can call methods inside your other methods. Use it to your advantage in this exercise. Inside your `#plot_generator` method, you should call the other methods defined in the assignment to generate one final string.

## Learning Badges

---

Again, ask yourself these questions and make sure you can answer all of them:

### on constants

- What are the constants in my code?
- Where are the values assigned to these constants and where do I use them?
- What's the scope of a constant?

### on methods

- What are the methods in my program? Where do I define them?
- Where do I call them?
- What's the flow of my program when I try to read it line by line?

## Tips & Resources

---

- Each of the following methods should work in a similar way: `#pick_actor`, `#pick_setting`, `#pick_close_one` and `#pick_punchline`. They should take the array defined in their respective constant and return a single random element of that array. Look in the [Array Section](#) of the Ruby Docs to find the relevant method.