

COMP90041

Programming and Software Development

Second Semester, 2018

Lab 4 — Programming Practice (Week 5)

Writing Class Methods

Workshop Exercises

These are just for practice, and will not be assessed.

1. Write a class method called `printMovies` that prints a list of your top 5 personal favourite movies. The output of this method should be in a numbered list, as follows:
 1. The Avengers
 2. Iron Man
 3. ...
2. *Overload* your `printMovies` method to accept two arguments - an integer and a `String`, which represent the rank and title of someone's favourite movie. Your method should then print the movie, with its rank, as above. For example, `printMovies(3, "Guardians of the Galaxy")` should output
 3. Guardians of the Galaxy

Revise your solution to Exercise 1 to use your method for this exercise to print out your 5 favourites.

Homework

These will also not be assessed.

3. Write a class method called `isAFavourite` which accepts a single `String` argument, and returns `true` if the argument is one of the movies contained in your list of favourites, and false otherwise.

Hint: Store your list as a single `String`

Hint: The `String` method `contains(arg)` returns `true` if the argument is contained in the string. For example, `"hello".contains("hell")` will return `true`.
4. **Challenge:** *Overload* your `printMovies` method again to accept a single `String` argument, where the string is a list of movies separated by commas. Your method should then print each movie on a separate line, numbered by the order you print it.

For example, `printMovies("The Avengers, Iron Man, Thor")` should output

 1. The Avengers
 2. Iron Man
 3. Thor

Again revise your solution to Exercise 1 to use this new method for print out your 5 favourites.