# Assignment 1

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## Exercise 1

### a)

Here I should write a little about why I have made the solution the way I have. Maybe there might even be a point or two that could be emphasized.

static Degree getInstance(String name) {

if (instances.containsKey(name))

return instances.get(name);

Degree degree = new Degree(name);

instances.put(name, degree);

return degree;

}

### b)

Here I have used the Code style from the template when I put some code in my solution.

And it is nice and clear to read. I have even remembered to check that it is indented correctly.

import java.util.HashMap;

class Degree {

static HashMap<String,Degree> instances = new HashMap<String, Degree>();

private String name;

private Degree(String name) {

this.name = name;

}

static Degree getInstance(String name) {

if (instances.containsKey(name))

return instances.get(name);

Degree degree = new Degree(name);

instances.put(name, degree);

return degree;

}

public boolean equals(Object obj) {

if (obj == null) return false;

if (!(obj instanceof Degree)) return false;

Degree other = (Degree) obj;

return name.equalsIgnoreCase(other.name);

}

}