Part 2:

Program runs:

- Step 1: Create a new instance of a class BeeColony and run its method.

Step 2: Create a new instance of a class FPTUniversity and run its method.

Step 3: Create a new instance of a class BeeColony and run its method.

Step 4: Create a new instance of a class FPTUniversity and run its method.

What is stored in the static heap, stack, dynamic heap?

Static heap, the class objects and static variables are stored. Stack, the method calls, local variables, and object references are stored. Dynamic heap, the objects are stored.

Why the Organization class is abstract?

Organization class has an abstract method.

Why must the Colony/University class implement the communicateBytool() method?

Because Role is an interface.

You explain the polymorphism feature in your code.

Done.

- Describe the difference between an interface and an abstract class.

Interface: a set of classes that are not related to each other.

Abstract class: a set of interrelated classes.