

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.