

Exam PJGG

18/02/2020



The questions can be answered in English and/or Italian.

1. Discuss multidimensional arrays in Java. Moreover, explain what are the differences and pros/cons with respect to the Java container classes.
2. What is inheritance in Java? Discuss its use and advantages. Explain also its relation with abstract classes and interfaces.
3. What is the effect on a class variable if it is indicated with the keyword *static* or *final* in Java?
4. Make a class *Meeting* to create and manage meetings between different persons. Your class should provide (at least) the following functionality:
 - Create a new meeting, with a short description.
 - Add persons that want to participate in the meeting. It should be also possible to cancel participation.
 - Allow for certain data processing on the list of participants: compute number of participants, average age, number of female/male participants, etc.
 - Make a main method with a small test for the class.

Provide the complete Java code of your class. Pay attention to correct syntax!