Frankfurt University of Applied Science

OOP/Java – WiSe 22/23 – Doina Logofătu

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WEEK 3 – TASK 3 – QUIZZES

Question 1: Choose **2 (two)** correct options: In Java platform, standard edition, which API specifications can be used if you study statistics, and want to work with the number of distinct Rubik combinations (which is about 43 quintillion), for example?

- A. java.int
- B. **java.lang**
- C. **java.math**
- D. java.sql
- E. java.util

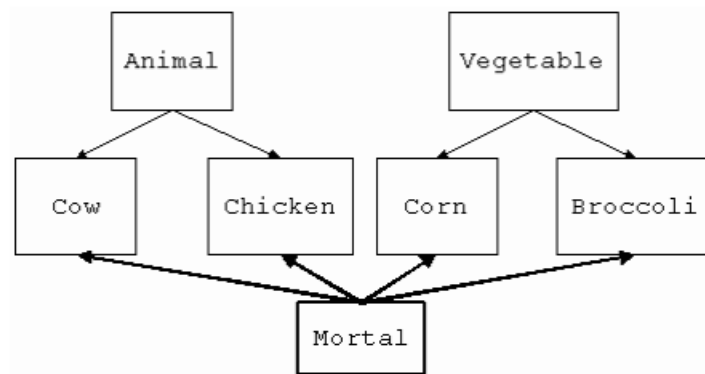**Explanation: We can use java.lang.Number, then java.math.BigInteger to perform the task**

Question 2: To achieve encapsulation in Java, which element needs to be declared as "private"?

- A. Class
- B. Class's constructor
- C. **Class's variable**
- D. Class's setter-and-getter method

Question 3: If you don't want other classes to inherit from your class, which keyword is used when declaring your class?

A. abstract

B. <u>final</u>

C. static

D. protected

Question 4: Given the class chart below:

Which **2 (two)** concepts of OOP are demonstrated here?

A. Abstraction

B. Encapsulation

C. <u>Inheritance</u>

D. <u>Polymorphism</u>