Exercise SDJ1

Exercise: Email, version 1

Email

user : Stringhost : Stringdomain : String

+ Email(user : String, host : String, domain : String)

+ getUser(): String + getHost(): String + getDomain(): String + toString(): String

Create a new module in IntelliJ and name it ${\tt Email_v1}$

Create a class called Email that represents an email address with a user, a host and a domain (see the UML class diagram).

Your class must follow the UML class diagram shown, i.e.

- a) A constructor that initializes the three instance variables and assumes that the values provided are correct.
- b) Getters for each instance variable.
- c) A method toString() that return a string with the email in the format "user@host.domain"

Implement a test class with a main method for your class Email (name the class EmailTest). Do at least the following:

- 1. Read user, host and domain from keyboard and create an Email object.
- 2. Print out user
- 3. Print out host
- 4. Print out domain
- 5. Print out the email address using method toString

Is the output as expected?