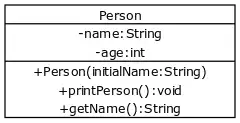
**Lab 10:**

**Programming Fundamentals CS130-02 Total=100**

Open Eclipse IDE and create a new class for each of the following questions: Choose class name that most appropriately defining the problem. Take a print screen of the code with console output.

1. Create a person class and display you and all of your class mates name and age using proper constructor



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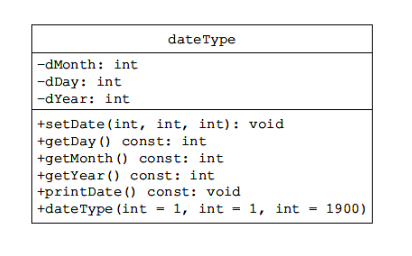
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1. The following figure repeats the Time example. It illustrates the UML class diagram for current time. Display current time in Hr, minute and second.



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1. Create your own Math class and test all the methods. Underscore used to define the static methods.

|  |
| --- |
| Maths |
| + E: double = 2.718 {read only}  + PI: double = 3.1415 {read only}  - randomNumberGenerator: Random |
| - Maths()  + getRandomNumber: int  + max(int,int): int  + max(long, long): long  + sin(double) : double  + cos(double) : double  + log(double) : double  + floor(double): double  + ceil(double): double  + pow(double double) : double |

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1. Explain the difference between default, public, private, and protected access modifiers with suitable examples

Public can be freely accessed without the use of a getter, private must be accessed using a getter function, protected is similar to private, but cannot be accessed outside of its package, and default is used when an access modifier is not specified.