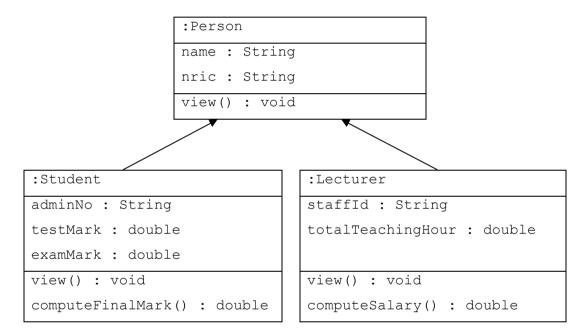


Practical 5 – Week 5 Inheritance

- 1. Implement the 3 classes as shown in the class diagram.
 - No constructors are to be defined and all attributes are private.
 - Include all accessor and mutator methods.
 - The method view () displays all information of a person on the screen.
 - The base mark of the test and exam is 100% and each contributes 50% to the final mark of a student.
 - The salary of a lecturer is computed using an hourly rate of \$90.

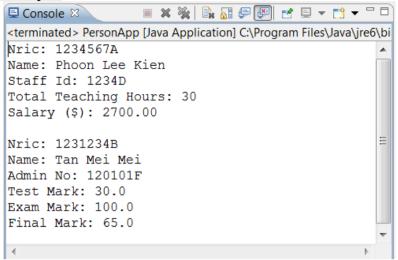


Write an application program PersonApp.java to instantiate 1 Student and 1 Lecturer object. Invoke all the instance methods to check the values of the 2 objects created.

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Sample Ouput:



2. Amend the Person class in Question 1 to include a constructor that sets the nric and name. You should notice that the 2 subclasses cannot be compiled. See if you can solve this syntax error

Hint: What are the compulsory attributes to create a student or a lecturer object?

E-Practical (2 hours)

- 3. Implement payroll processing for different kinds of employees:
 - Hourly employees get paid an hourly rate, but if they work more than 160 hours per month, the excess is paid at "one and a half".
 - Salaried employees get paid their monthly salary, no matter how many hours they work.
 - **Managers** are salaried employees who get paid a salary and an annual bonus.
 - The program should compute and display the monthly salary for a collection of employees.

-- End --

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