

## Lab Exercices

### Lab Exercixe 1 - Java Classes and Objects

Type: Group

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1. Write a program by creating an 'Employee' class having the following methods and print the final salary.
  - I - 'getInfo()' which takes the salary, number of hours of work per day of employee as parameter
  - II - 'AddSal()' which adds \$10 to salary of the employee if it is less than \$500.
  - III - 'AddWork()' which adds \$5 to salary of employee if the number of hours of work per day is more than 6 hours.
2. Create a class called 'Matrix' containing constructor that initializes the number of rows and number of columns of a new Matrix object. The Matrix class has the following information:
  - I - number of rows of matrix
  - II - number of columns of matrix
  - III - elements of matrix in the form of 2D array
3. The Matrix class has methods for each of the following:
  - I - get the number of rows
  - I - get the number of columns
  - III - set the elements of the matrix at given position (i,j)
  - IV - adding two matrices. If the matrices are not addable, "Matrices cannot be added" will be displayed.
  - V - multiplying the two matrices